

Program Complot  
(Version 2018-1)

by

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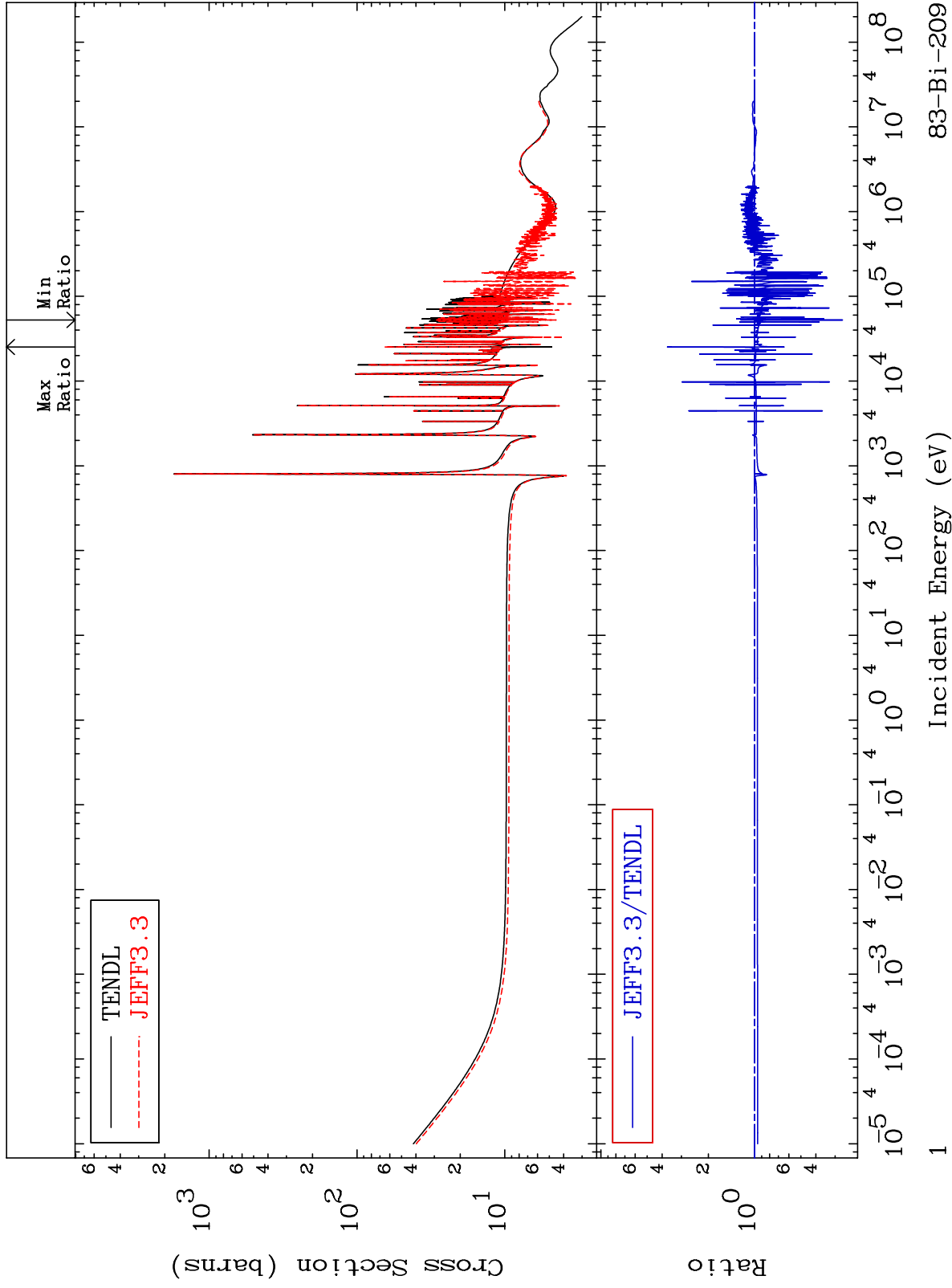
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8325

Total  
Cross Section

83-Bi-209  
-73.23 To 268.9 %



83-Bi-209

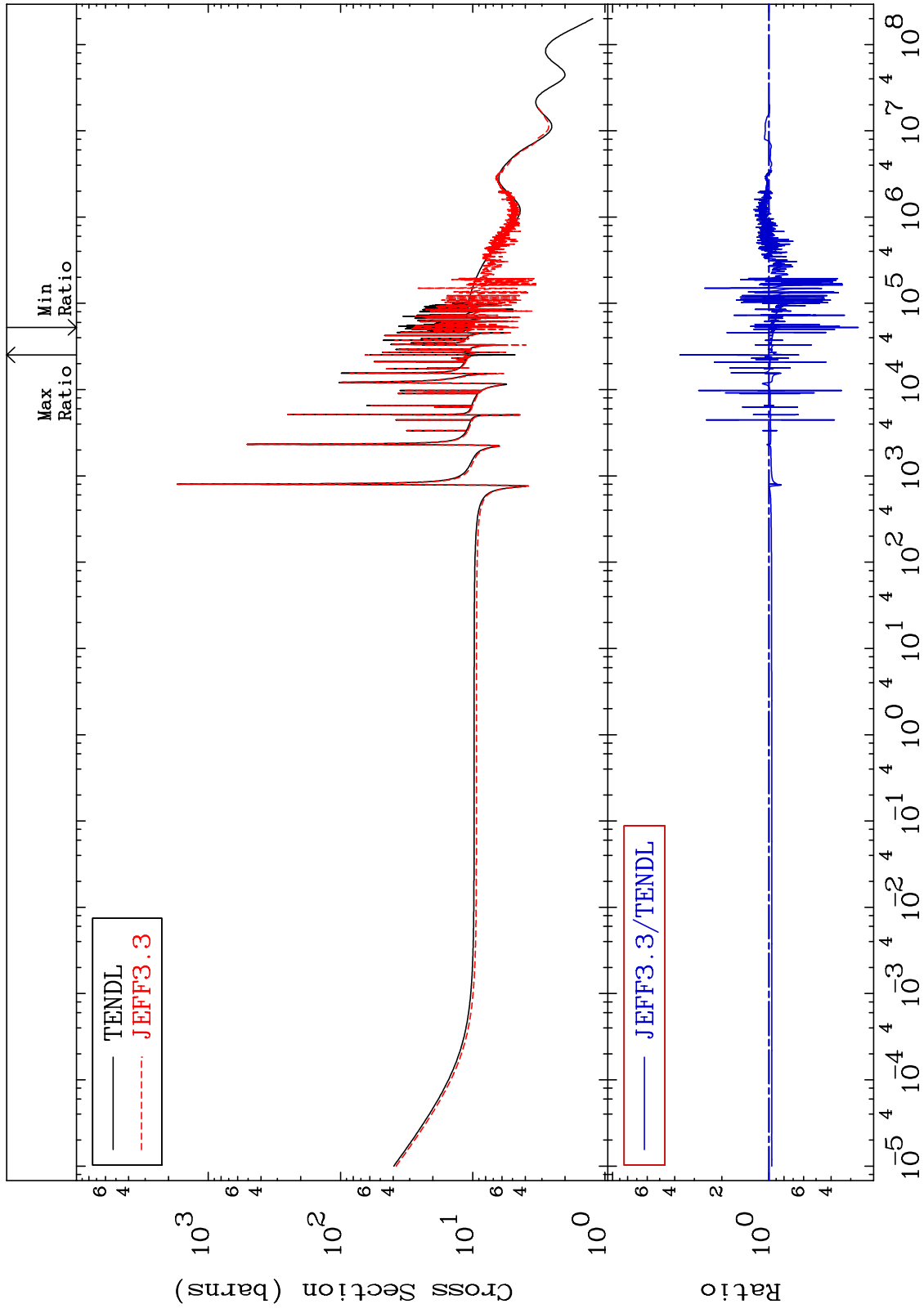
Incident Energy (eV)

1

MAT 8325

Elastic  
Cross Section

83-Bi-209  
-73.22 To 270.1 %



Incident Energy (eV)

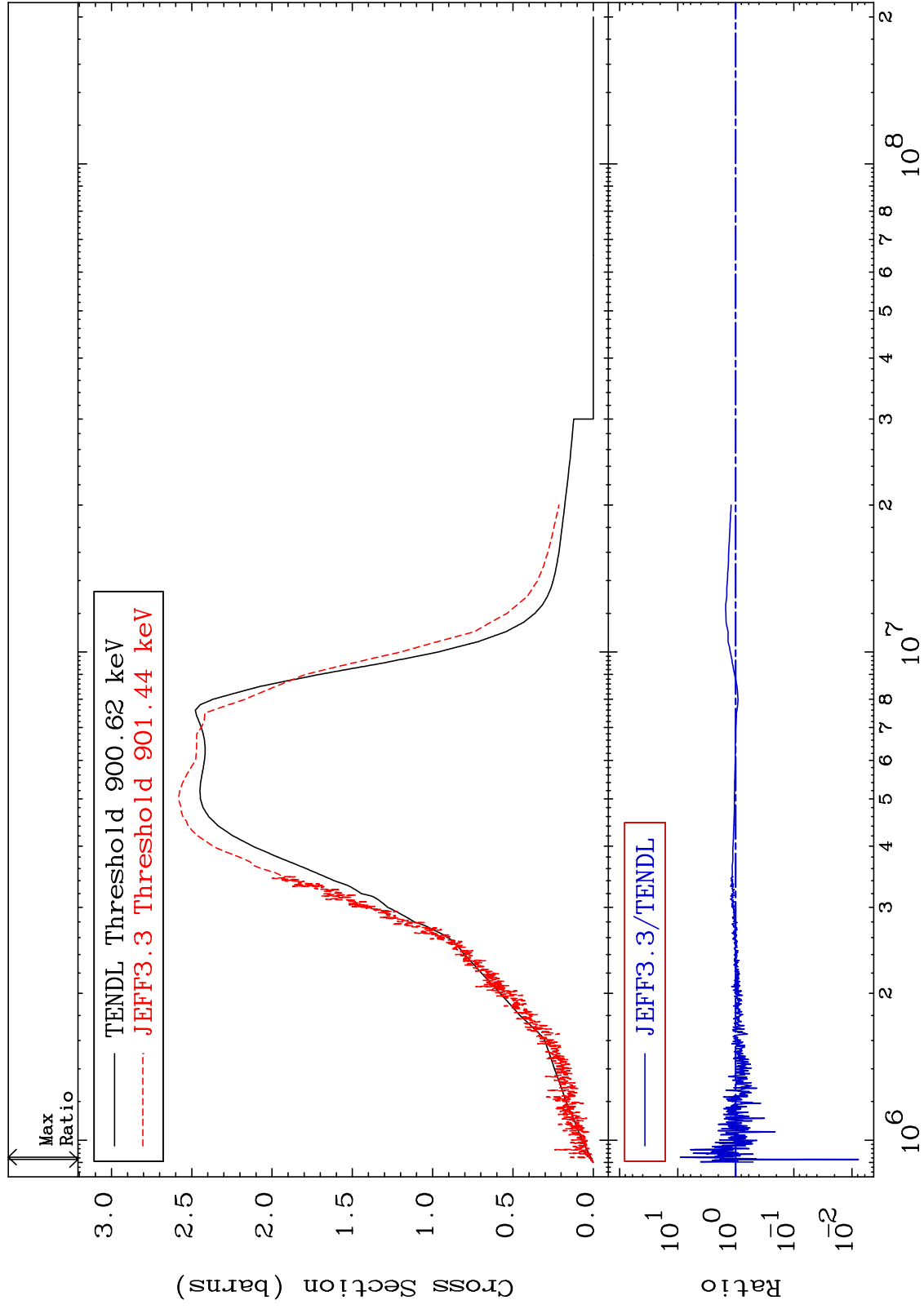
83-Bi-209

2

MAT 8325

Inelastic  
Cross Section

83-Bi-209  
-99.23 To 796.6 %



Incident Energy (eV)

83-Bi-209

3

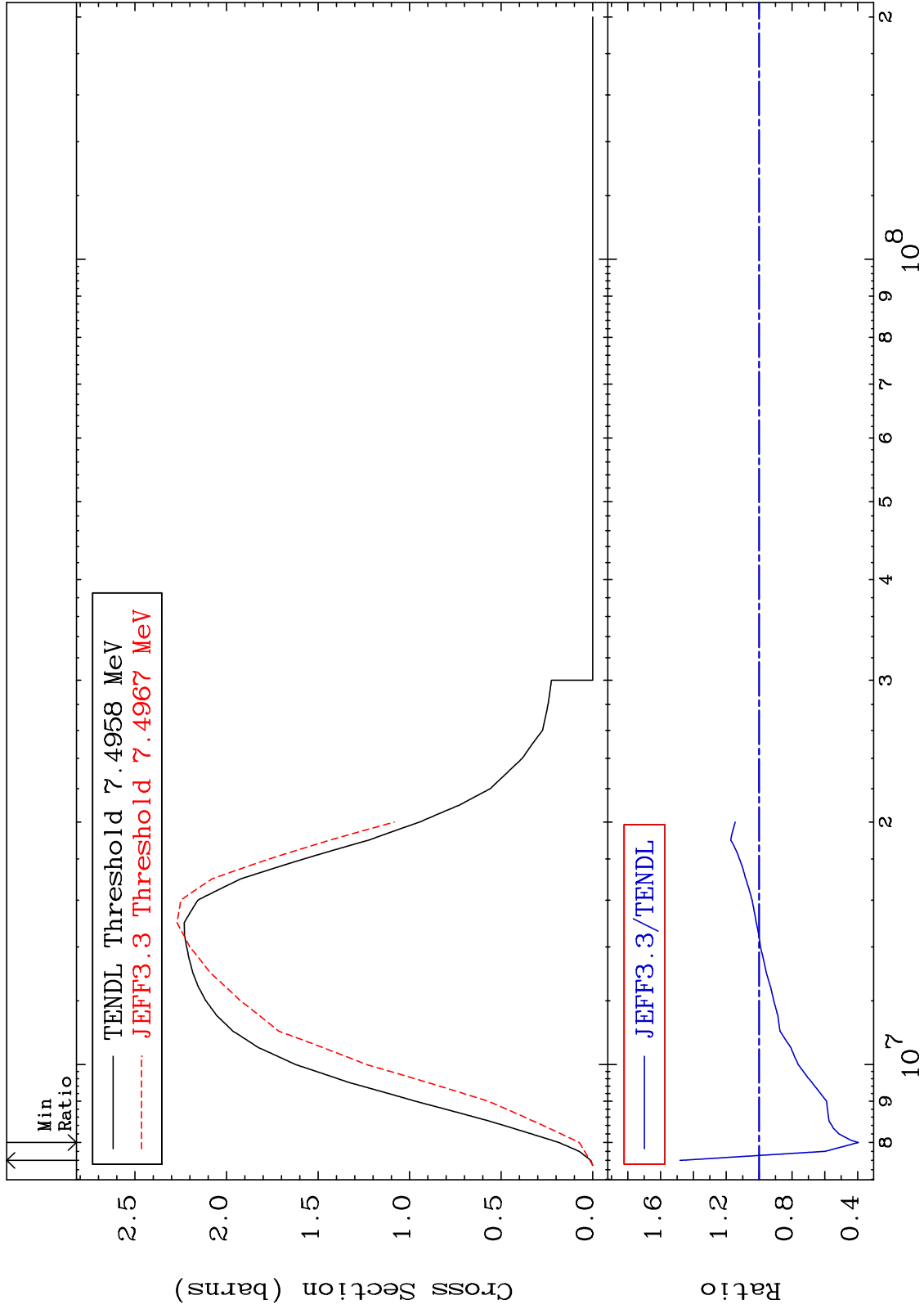
MAT 8325

(n,2n)

83-Bi-209

Cross Section

-60.47 To 48.19 %



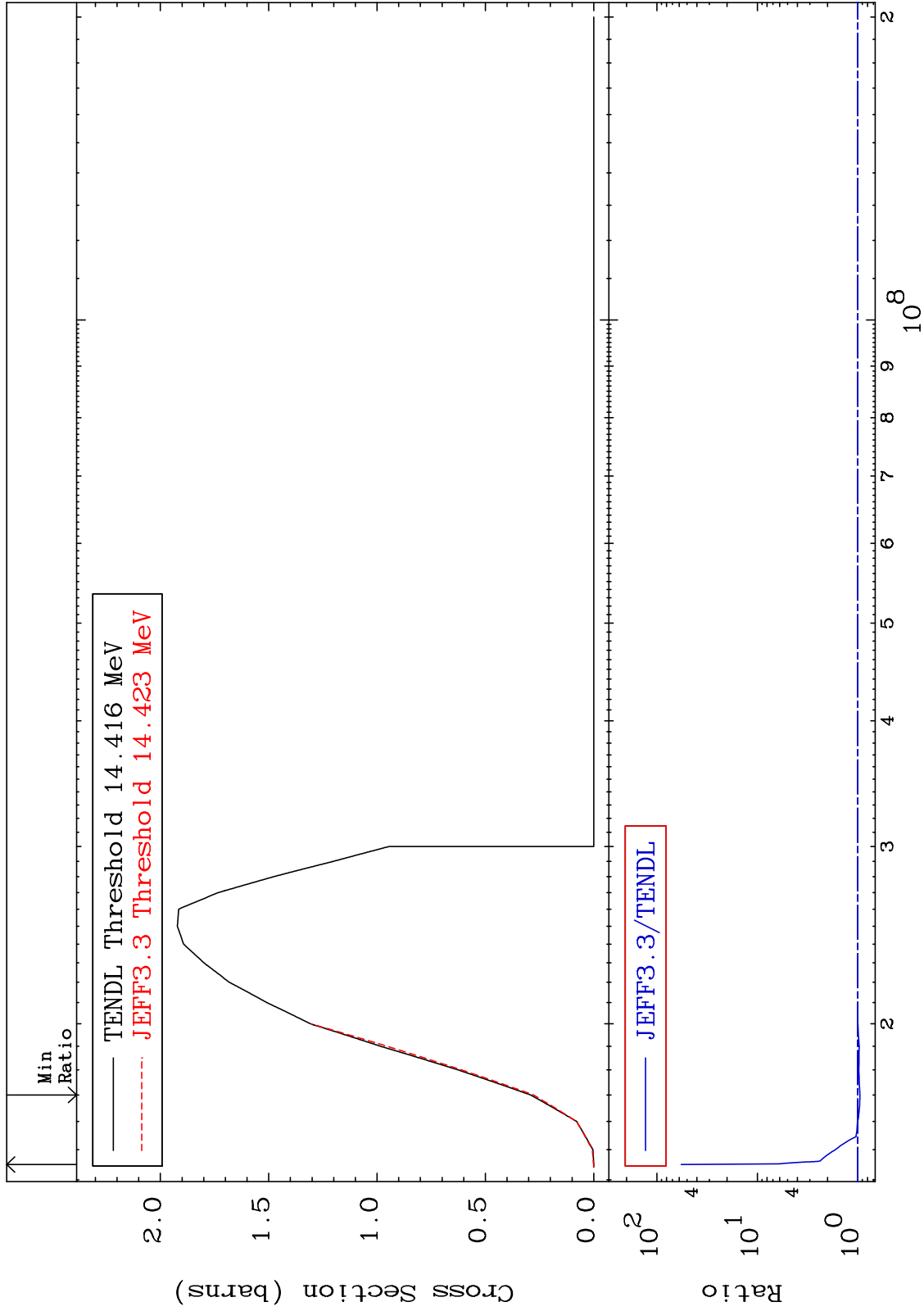
MAT 8325

(n, 3n)

83-Bi-209

Cross Section

-4.821 To 5621. %



Incident Energy (eV)

83-Bi-209

5

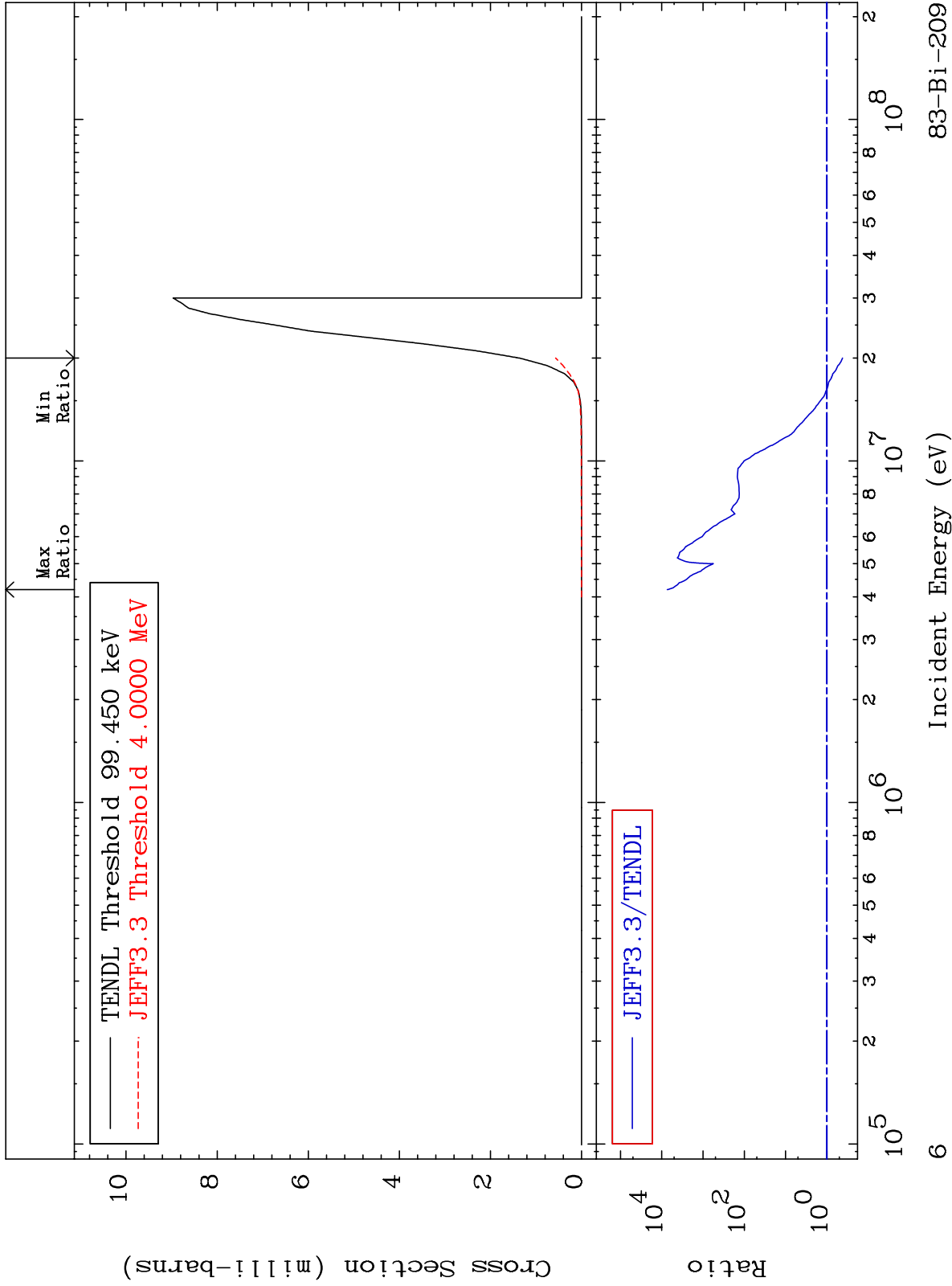
MAT 8325

(n,n')  $\alpha$

83-Bi-209

Cross Section

-58.24 To 9999. %



83-Bi-209

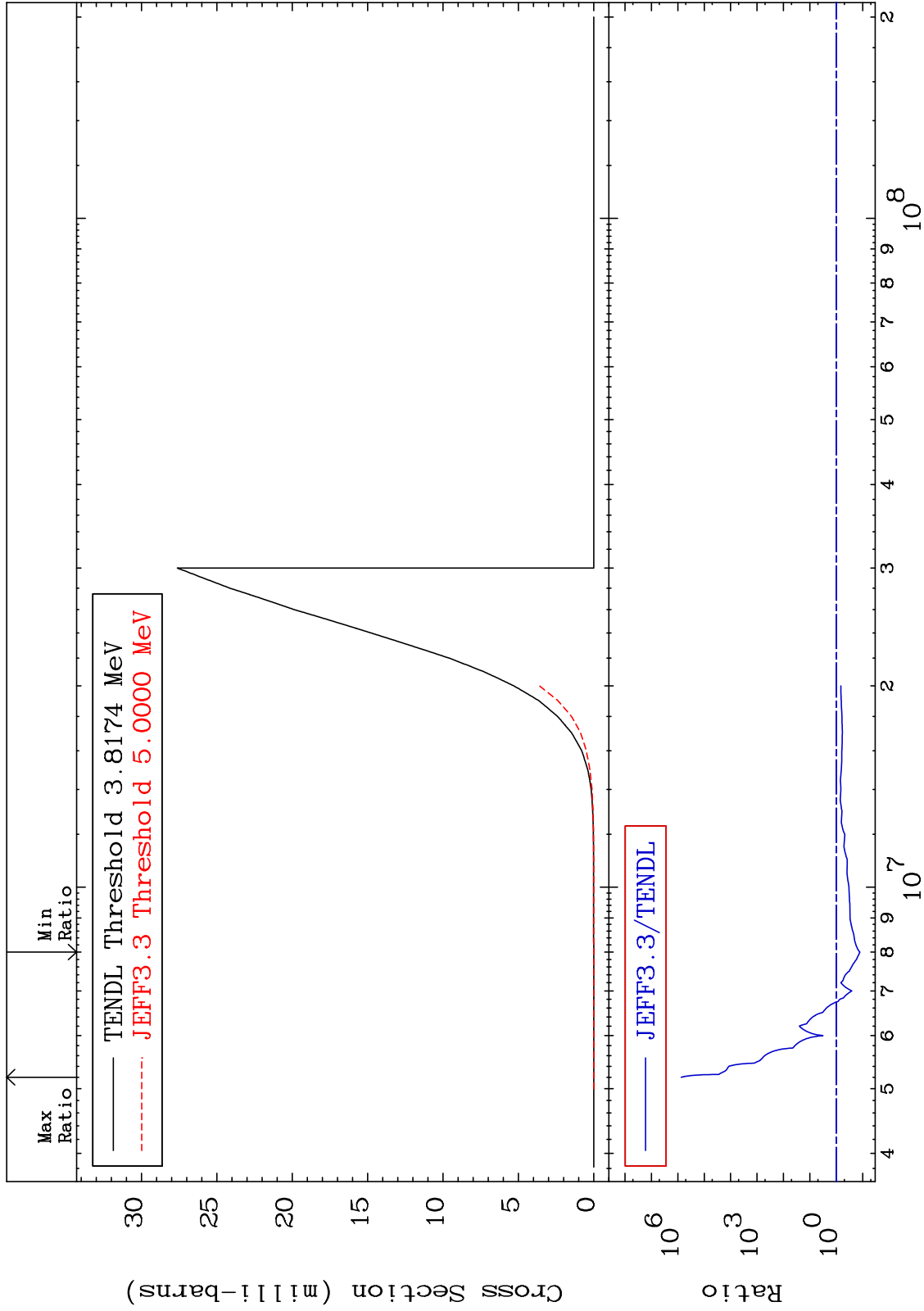
MAT 8325

(n,n') p

83-Bi-209

Cross Section

-87.18 To 9999. %



7

Incident Energy (eV)

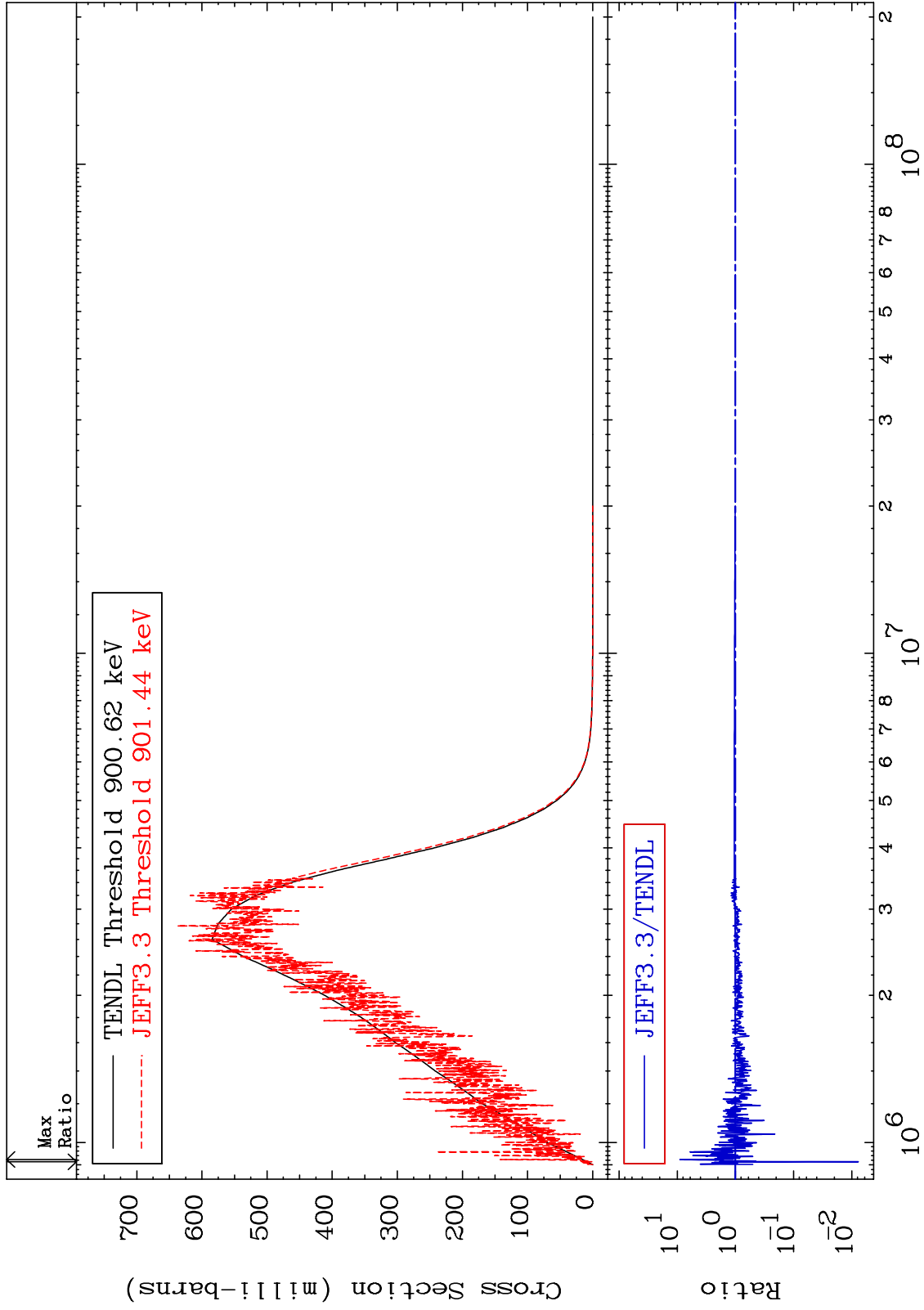
83-Bi-209



MAT 8325

MT= 51 (n,n') Level  
Cross Section

83-Bi-209  
-99.23 To 796.6 %



8

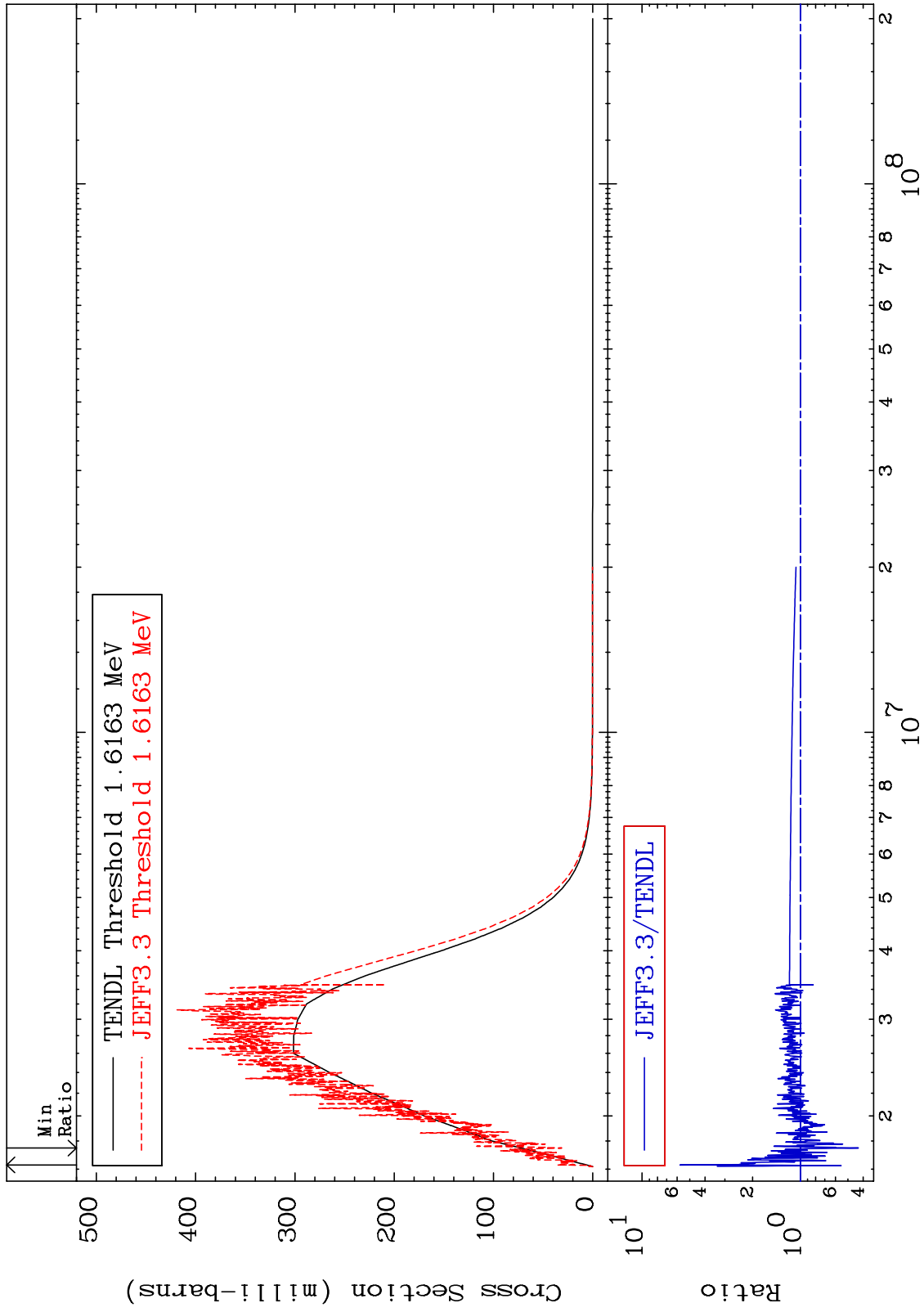
Incident Energy (eV)

83-Bi-209

MAT 8325

MT= 52 (n,n') Level  
Cross Section

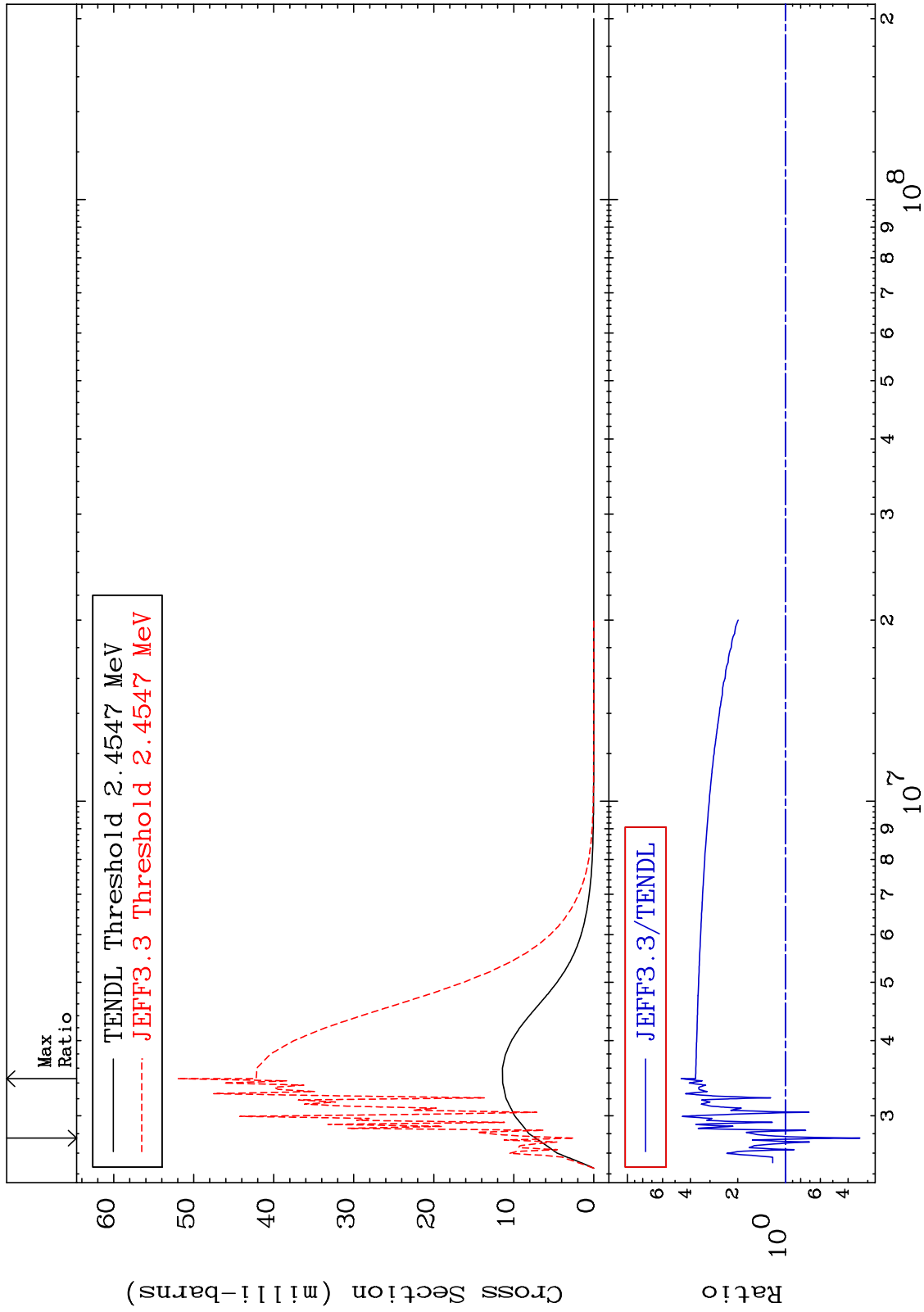
83-Bi-209  
-57.07 To 475.7 %



MAT 8325

MT= 53 (n,n') Level  
Cross Section

83-Bi-209  
-66.34 To 356.6 %



10

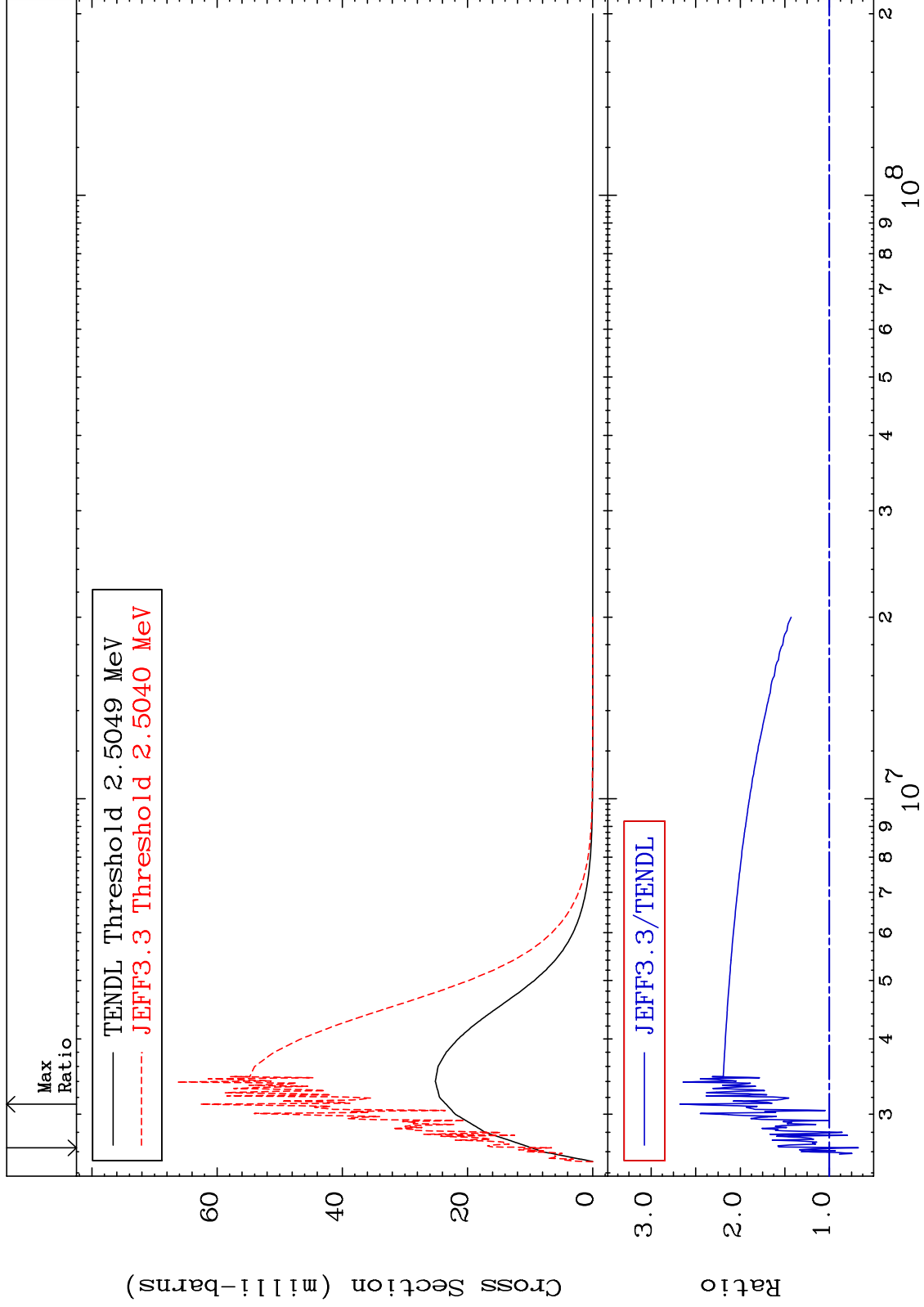
Incident Energy (eV)

83-Bi-209

MAT 8325

MT= 54 (n,n') Level  
Cross Section

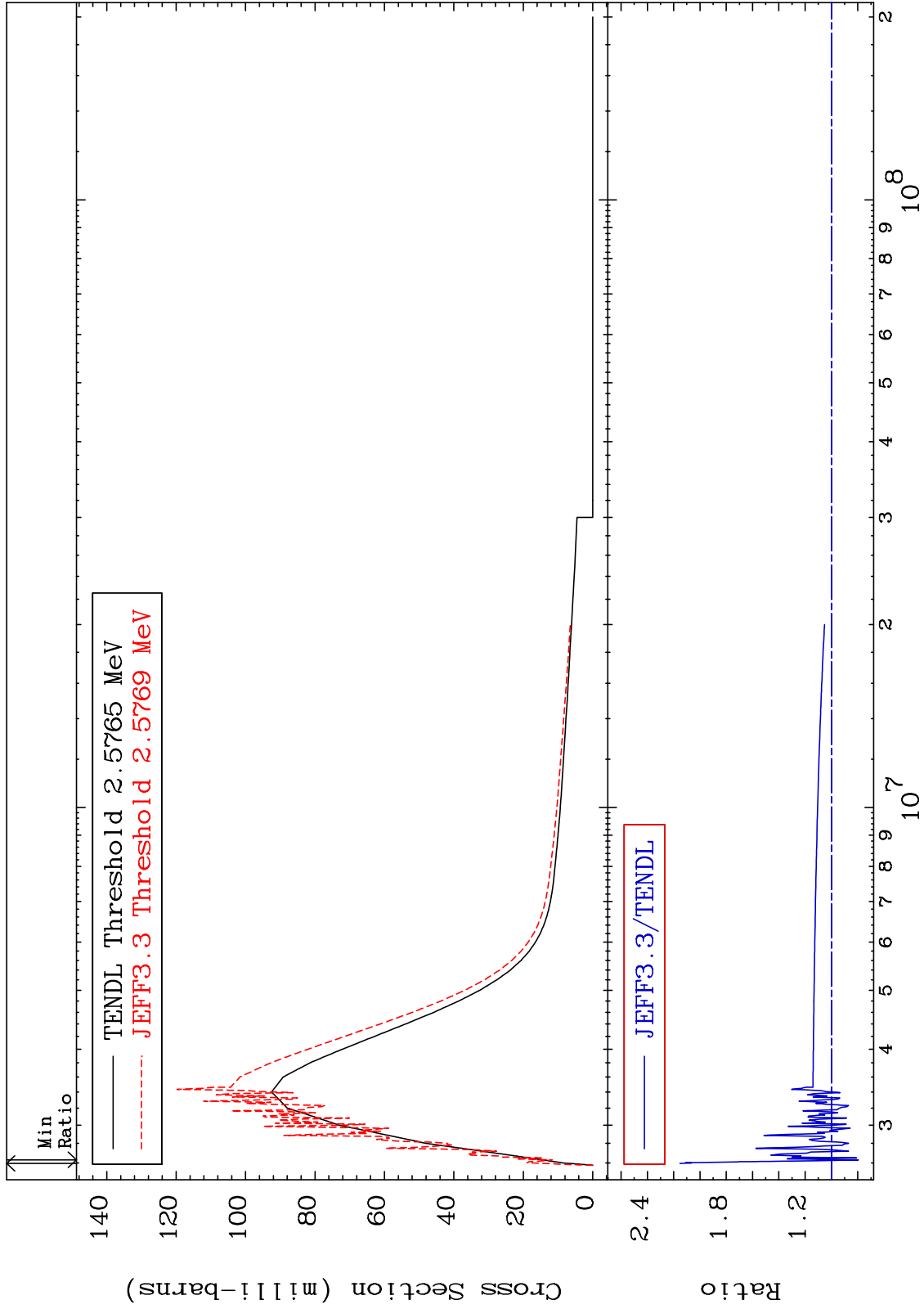
83-Bi-209  
-32.63 To 167.7 %



MAT 8325

MT= 55 (n,n') Level  
Cross Section

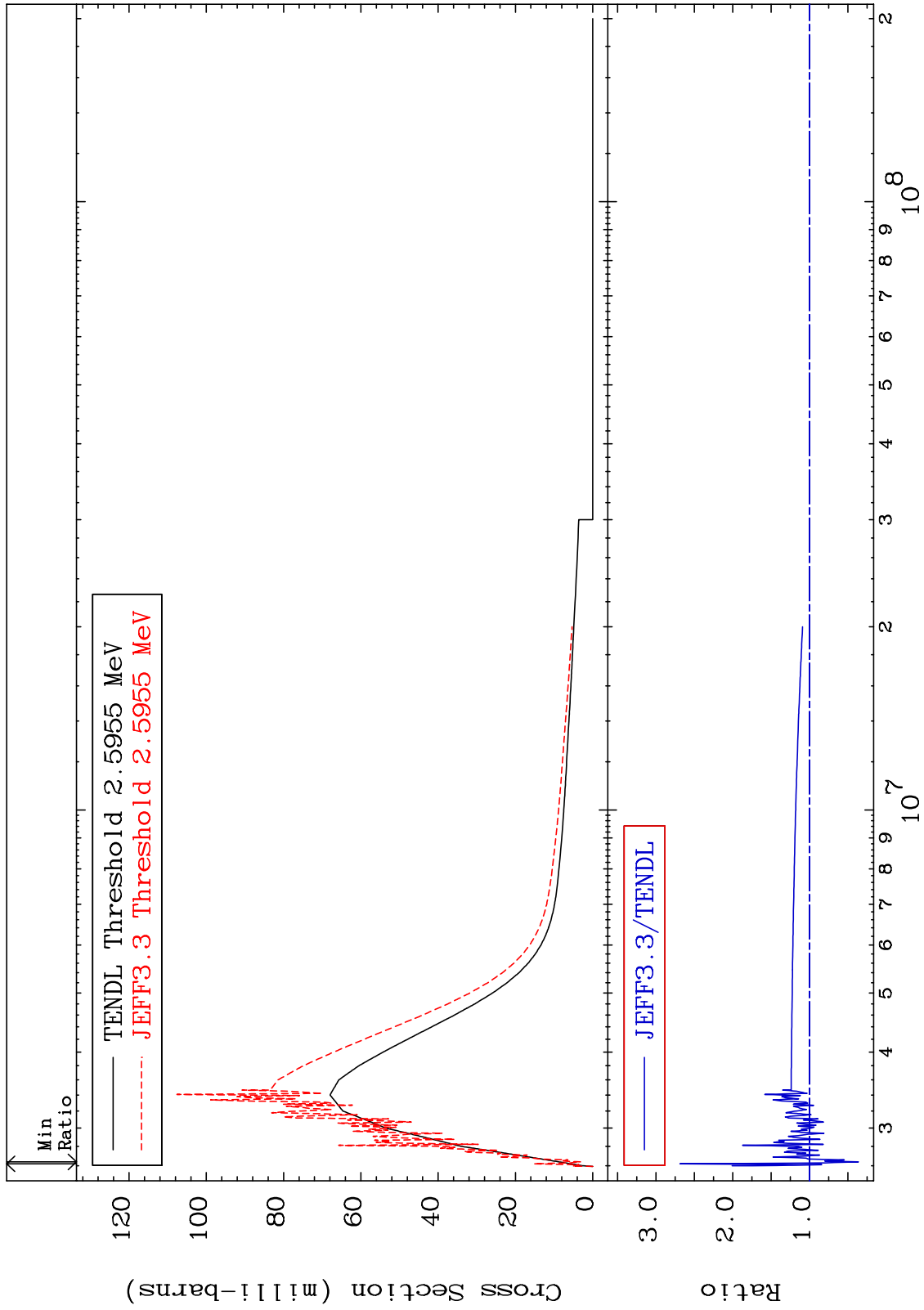
83-Bi-209  
-20.49 To 115.2 %



MAT 8325

MT= 56 (n,n') Level  
Cross Section

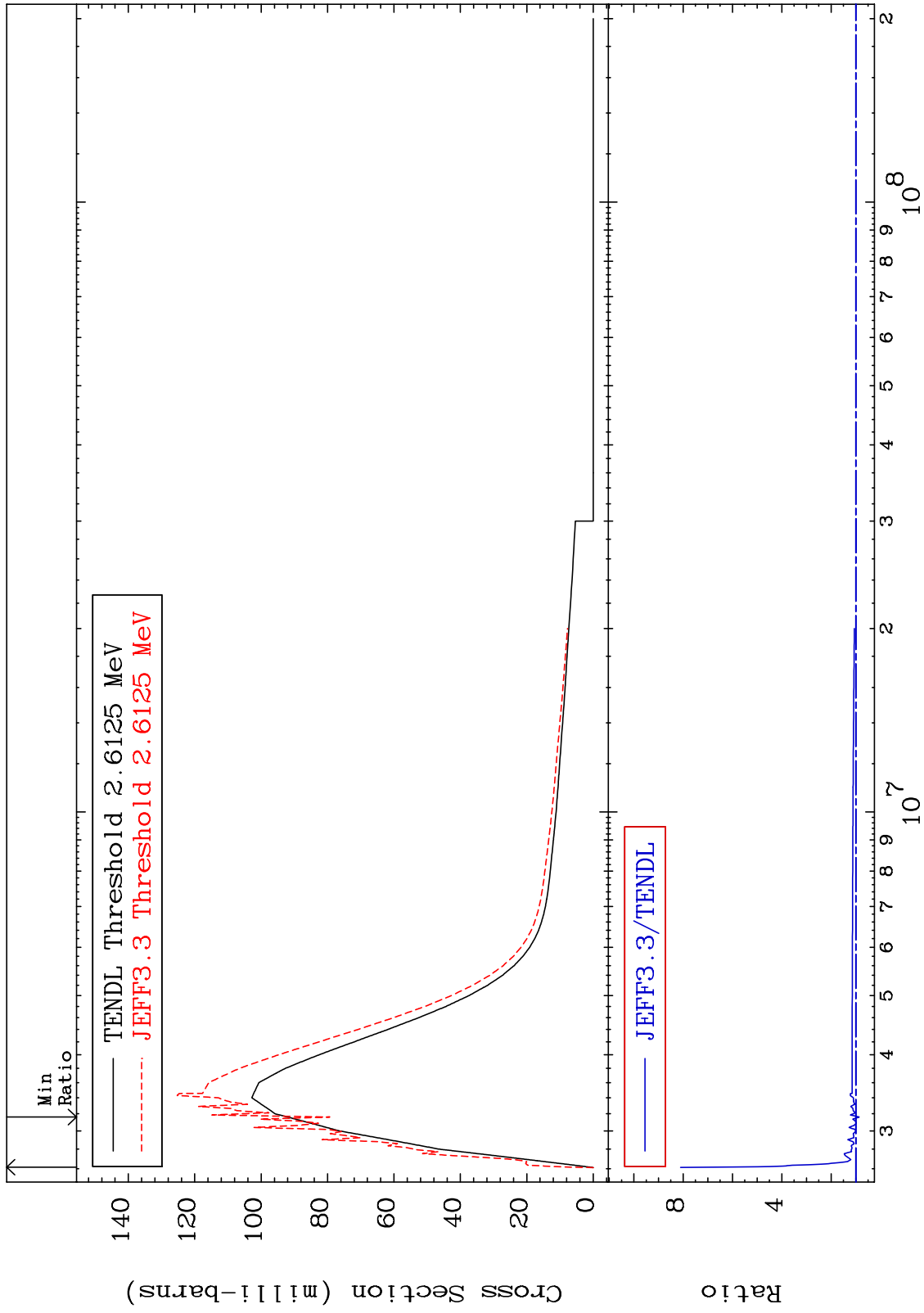
83-Bi-209  
-63.59 To 168.7 %



MAT 8325

MT= 57 (n,n') Level  
Cross Section

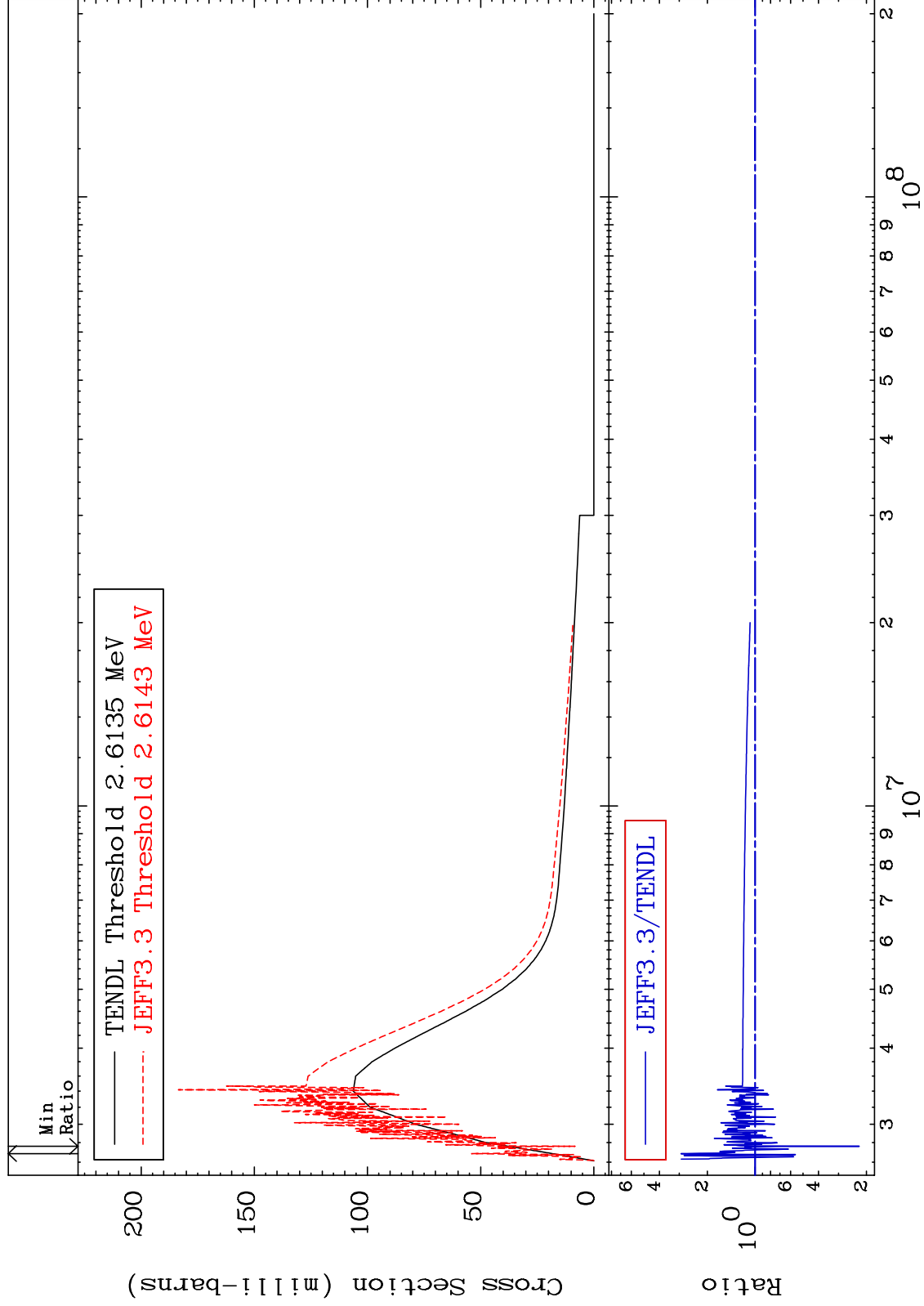
83-Bi-209  
-13.84 To 710.3 %



MAT 8325

MT= 58 (n,n') Level  
Cross Section

83-Bi-209  
-77.81 To 192.1 %

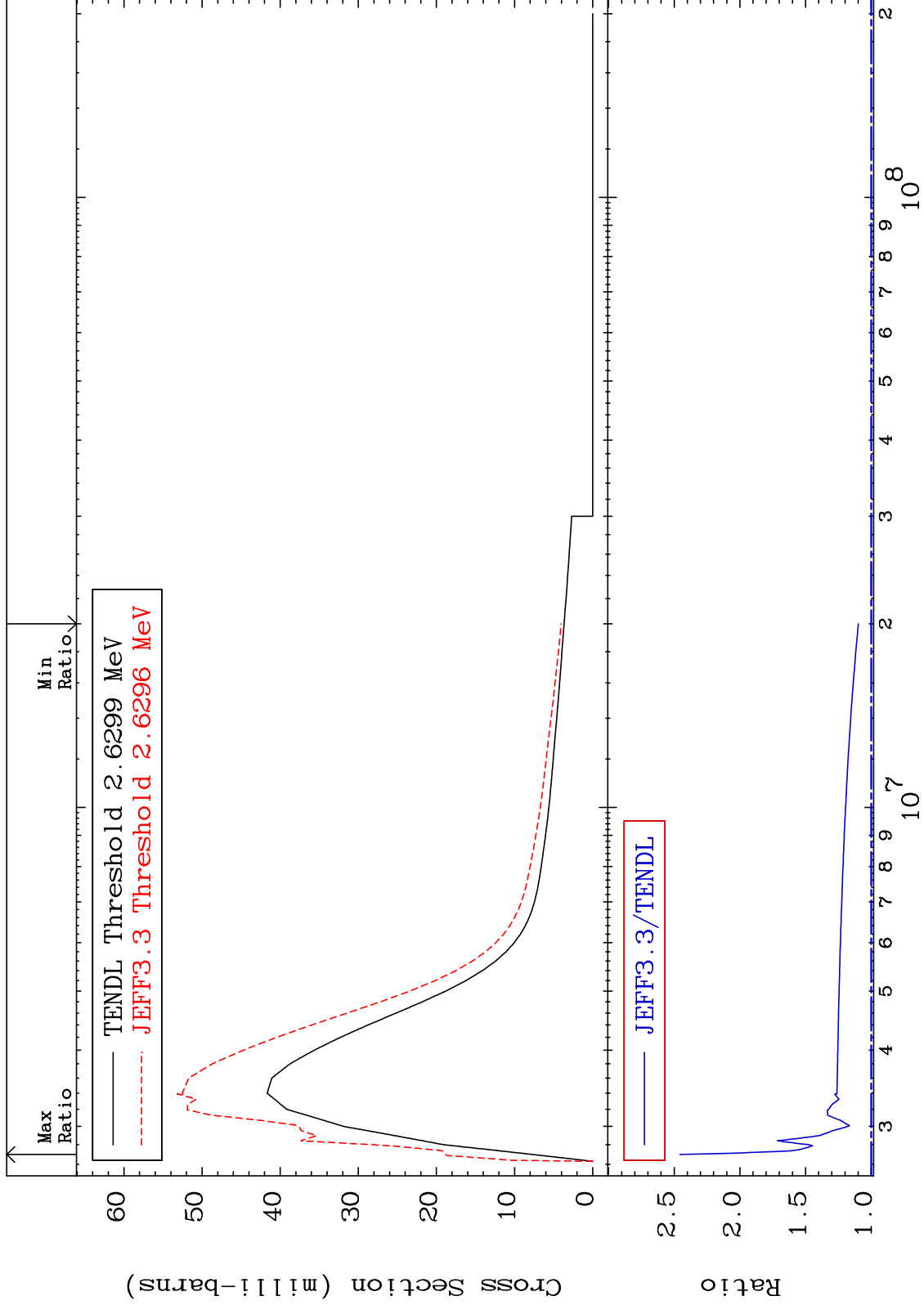




MAT 8325

MT= 59 (n, n') Level  
Cross Section

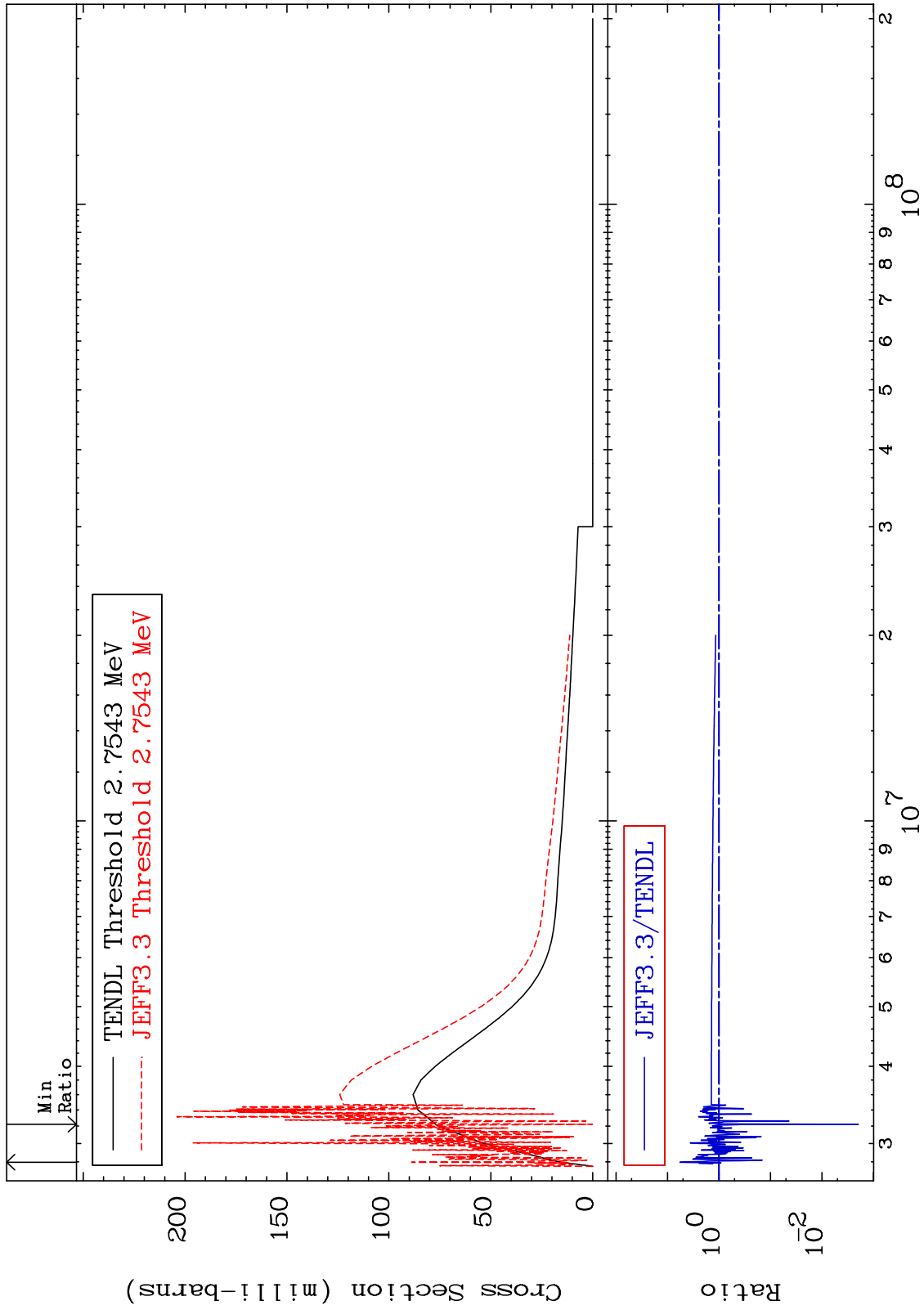
83-Bi-209  
9.772 To 145.6 %



MAT 8325

MT= 60 (n,n') Level  
Cross Section

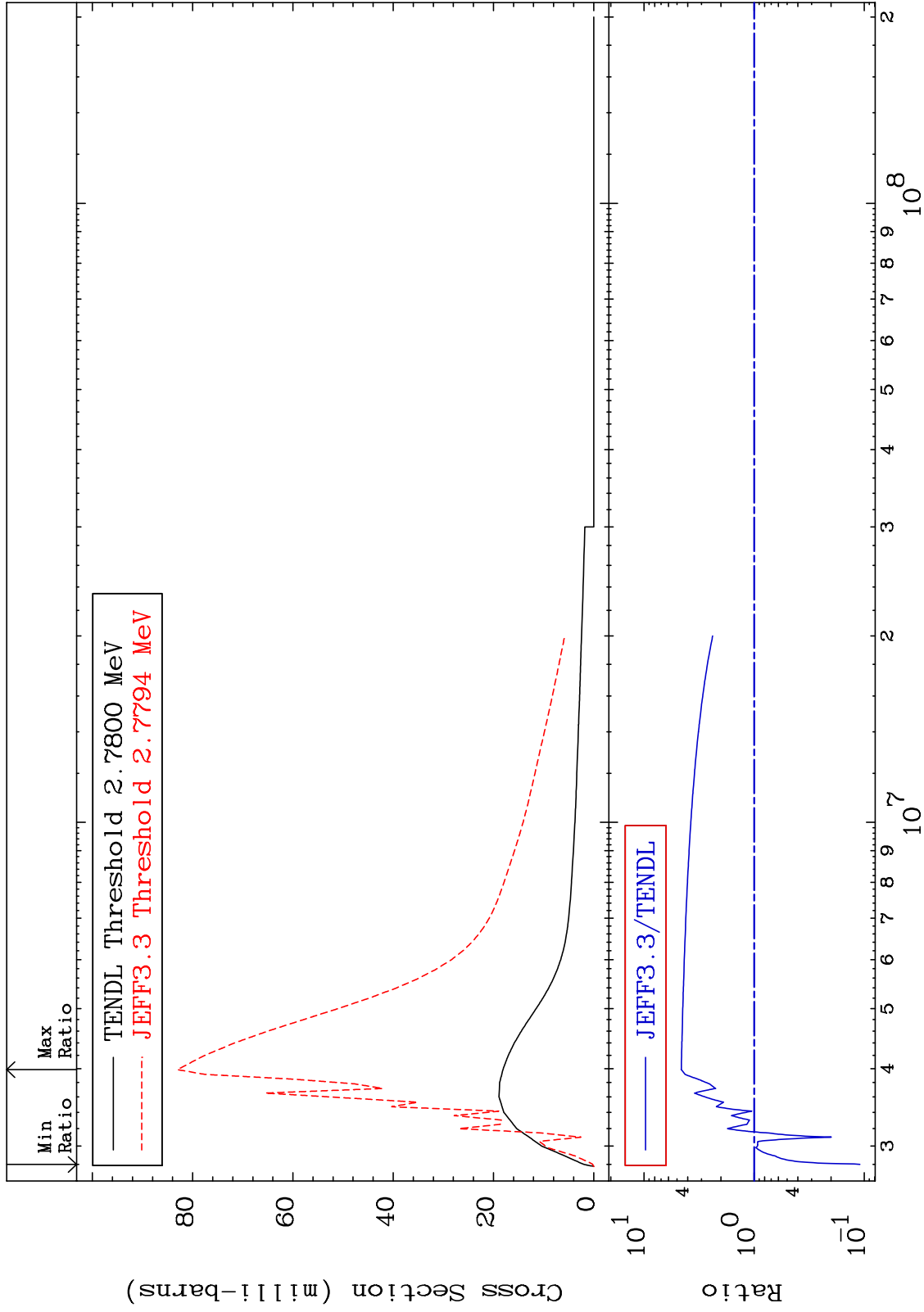
83-Bi-209  
-99.81 To 471.5 %



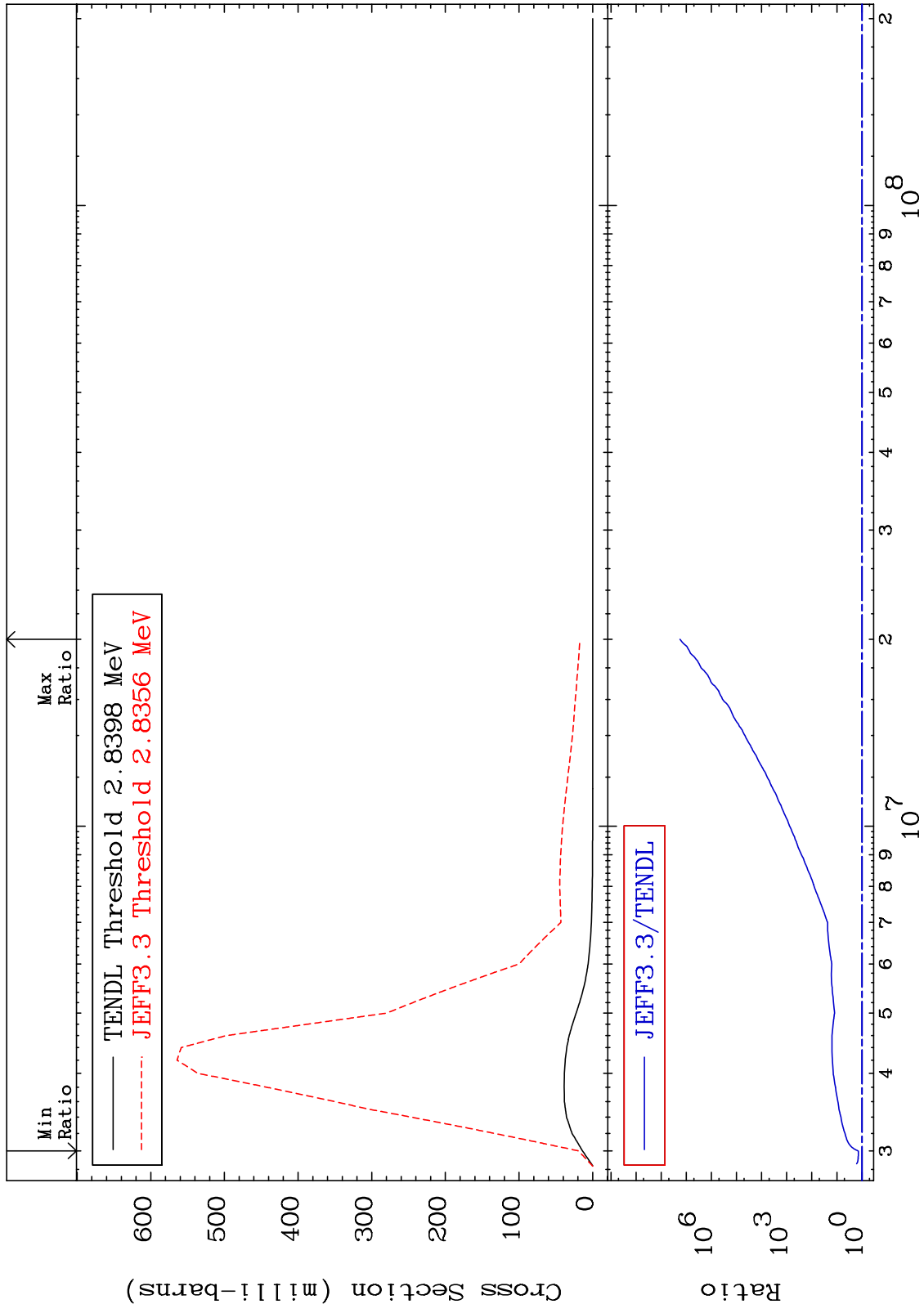
MAT 8325

MT= 61 (n,n') Level  
Cross Section

83-Bi-209  
-89.08 To 358.8 %



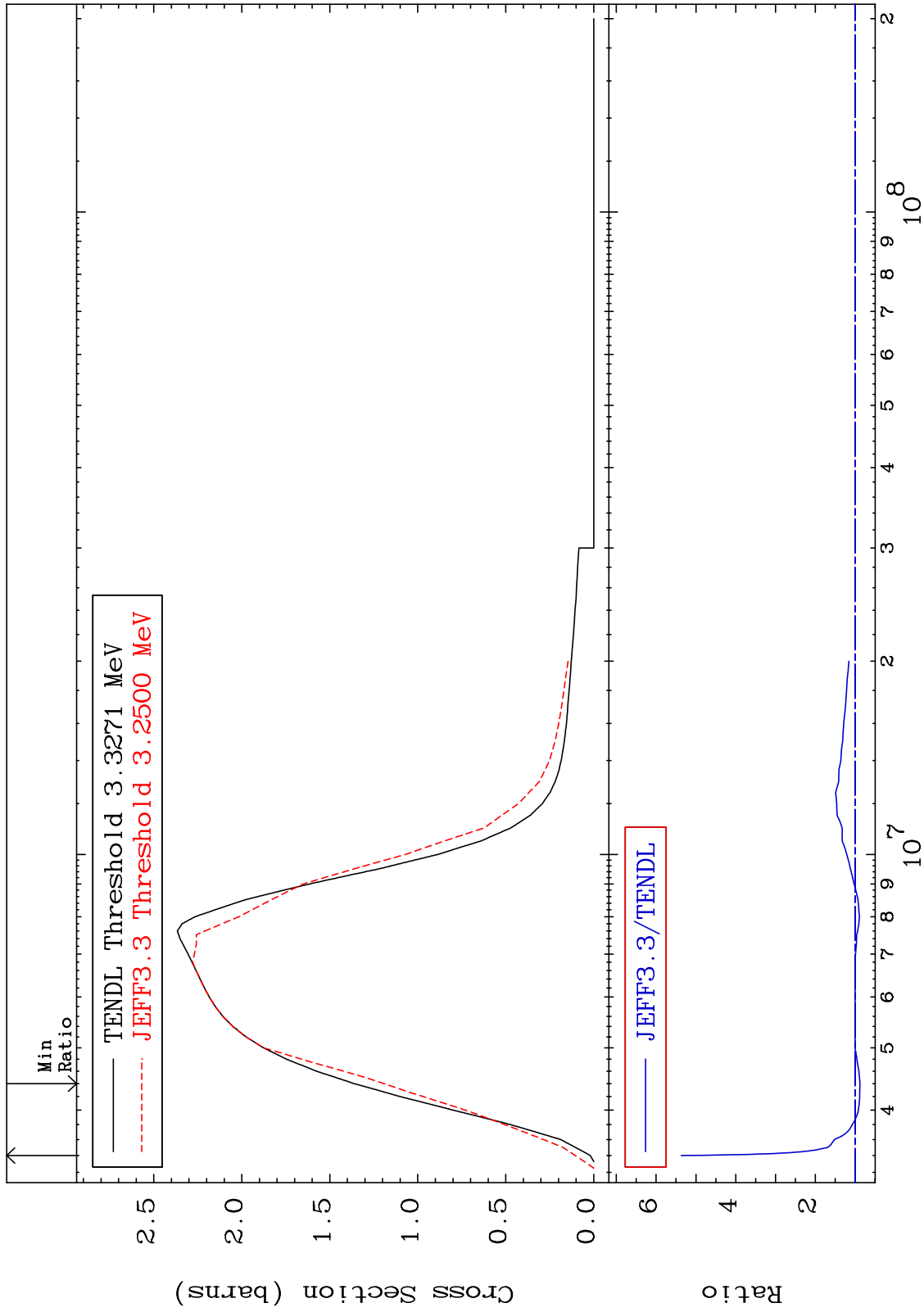
MAT 8325 MT= 62 (n,n') Level Cross Section 83-Bi-209 38.89 To 9999. %



MAT 8325

(n, n') Continuum  
Cross Section

83-Bi-209  
-12.43 To 436.9 %



20

Incident Energy (eV)

83-Bi-209

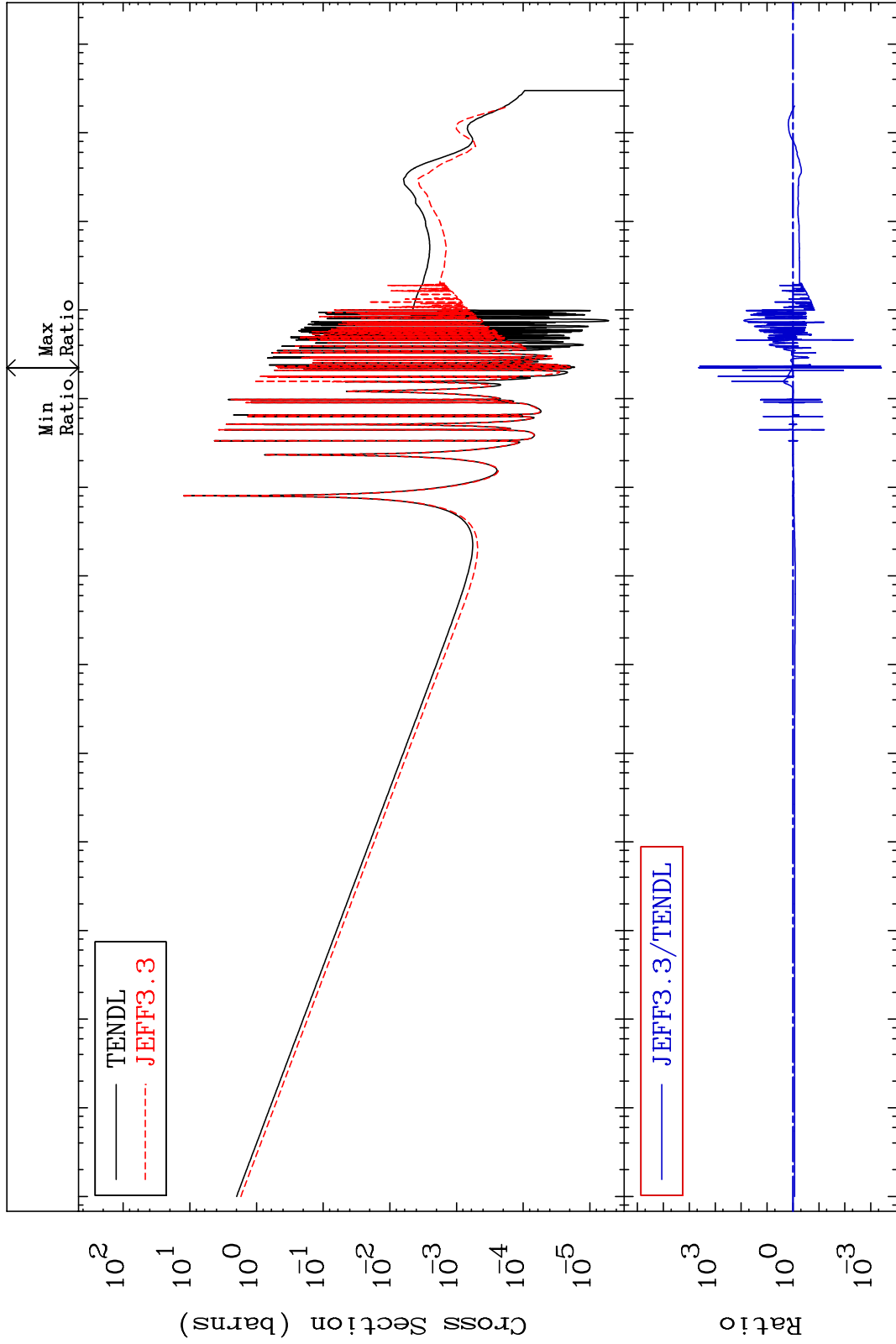
MAT 8325

(n,  $\gamma$ )

83-Bi-209

Cross Section

-99.96 To 9999. %



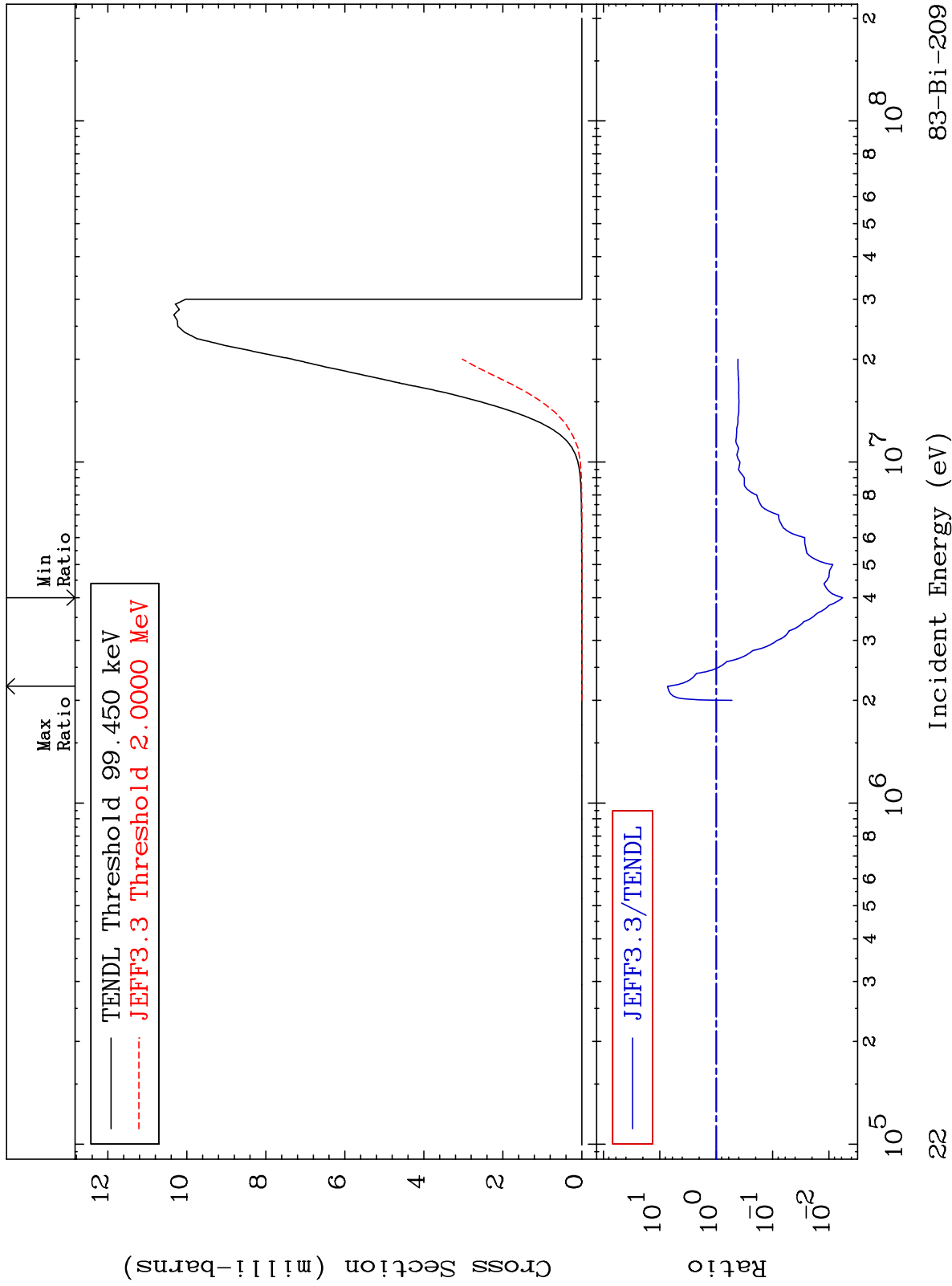
Incident Energy (eV)

83-Bi-209

MAT 8325

(n, p)  
Cross Section

83-Bi-209  
-99.43 To 630.1 %



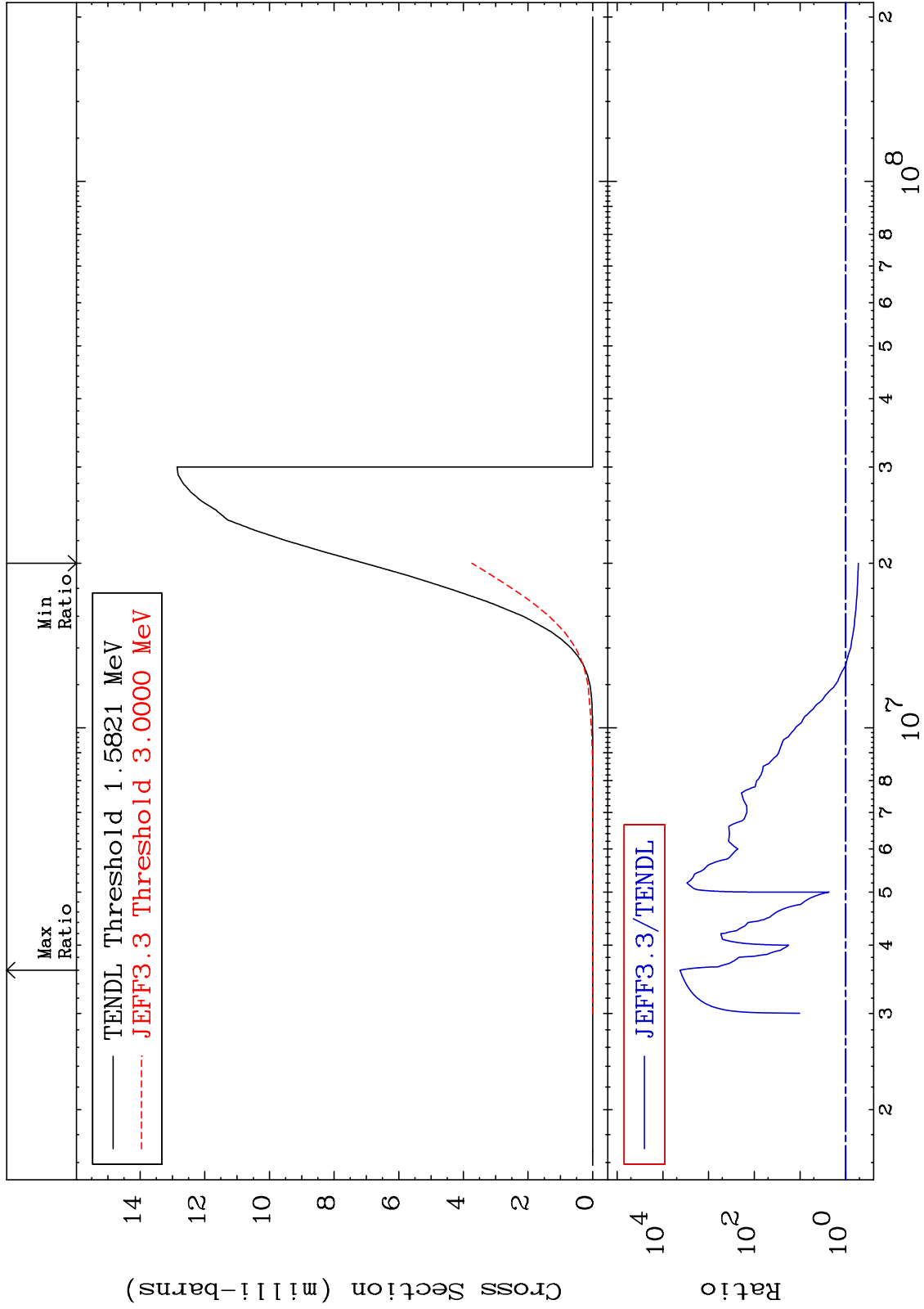
MAT 8325

(n, d)

83-Bi-209

Cross Section

-47.04 To 9999. %





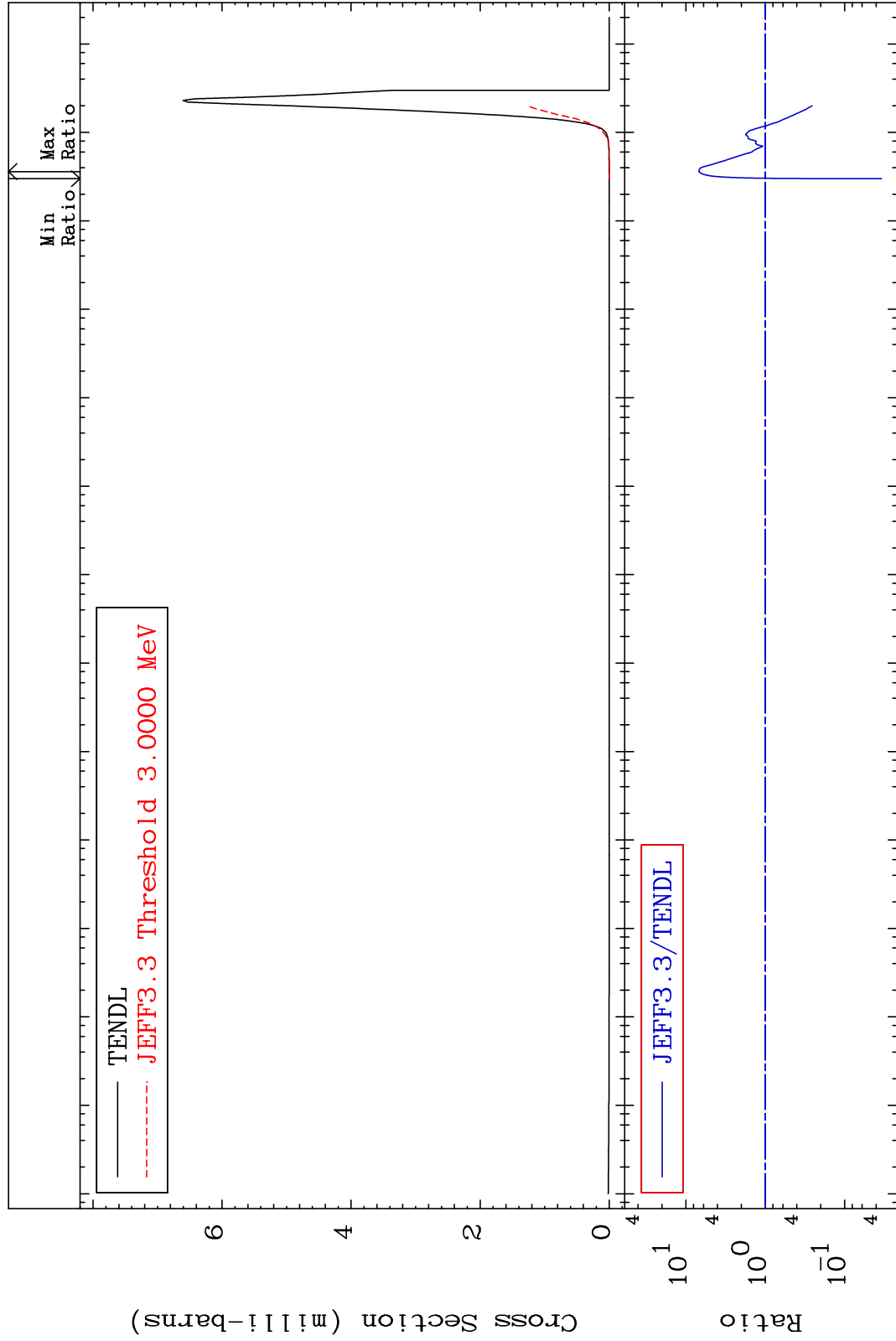
MAT 8325

(n,  $\alpha$ )

83-Bi-209

Cross Section

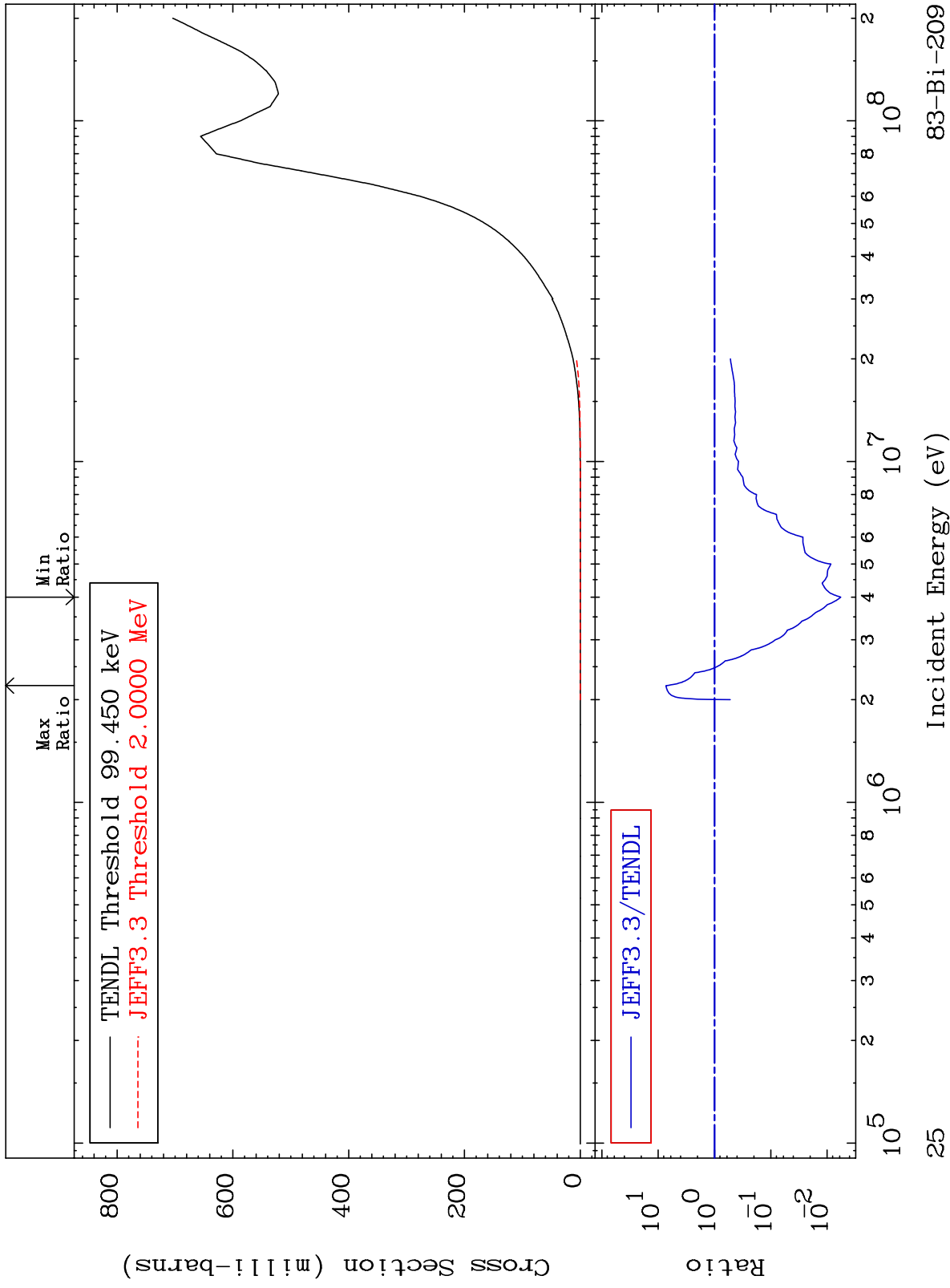
-96.58 To 589.6 %

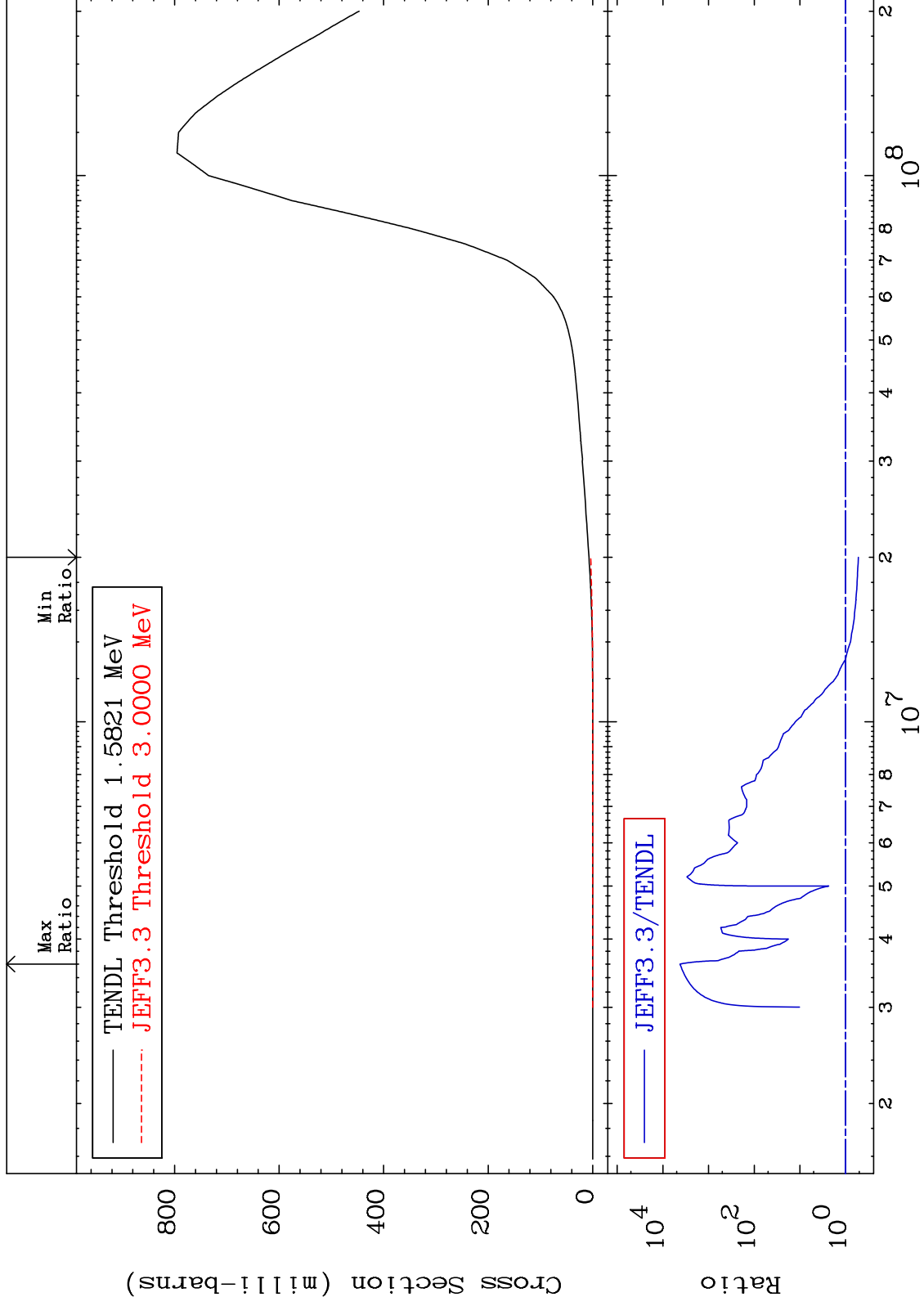


MAT 8325

Hydrogen Production  
Cross Section

83-Bi-209  
-99.43 To 630.1 %

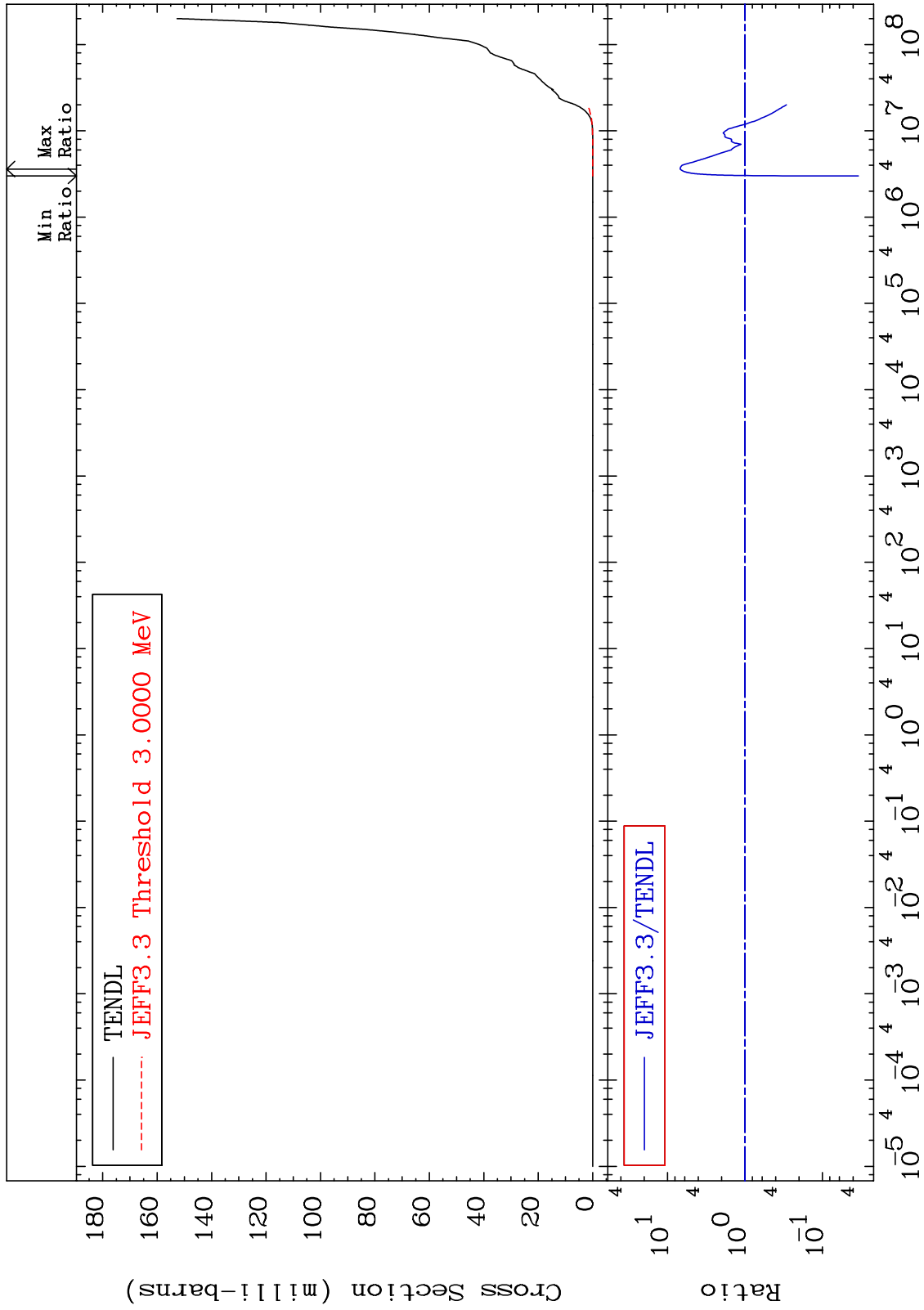




MAT 8325

He-4 Production  
Cross Section

83-Bi-209  
-96.58 To 589.6 %



27

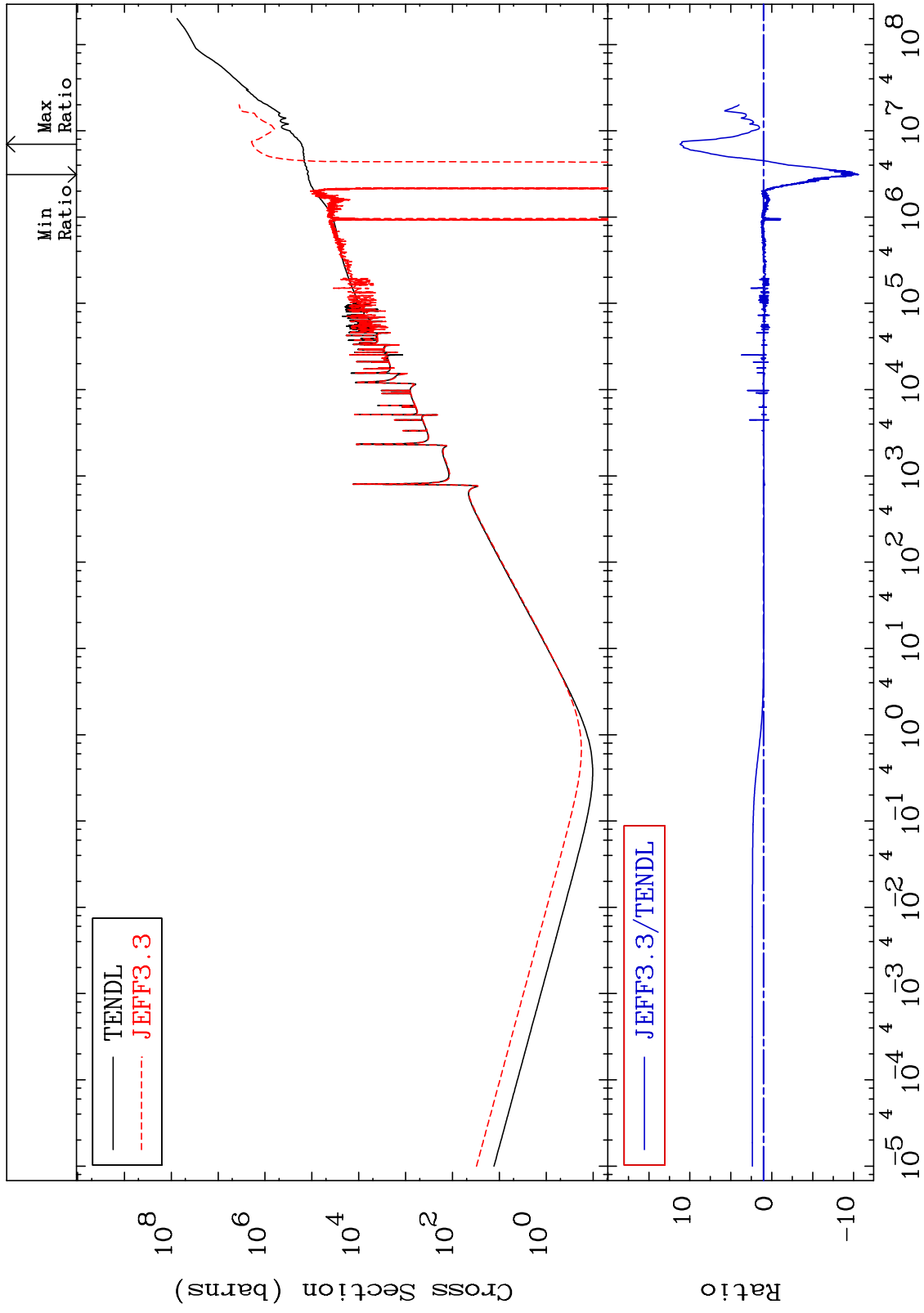
Incident Energy (eV)

83-Bi-209

MAT 8325

Kerma total (eV-barns)  
Cross Section

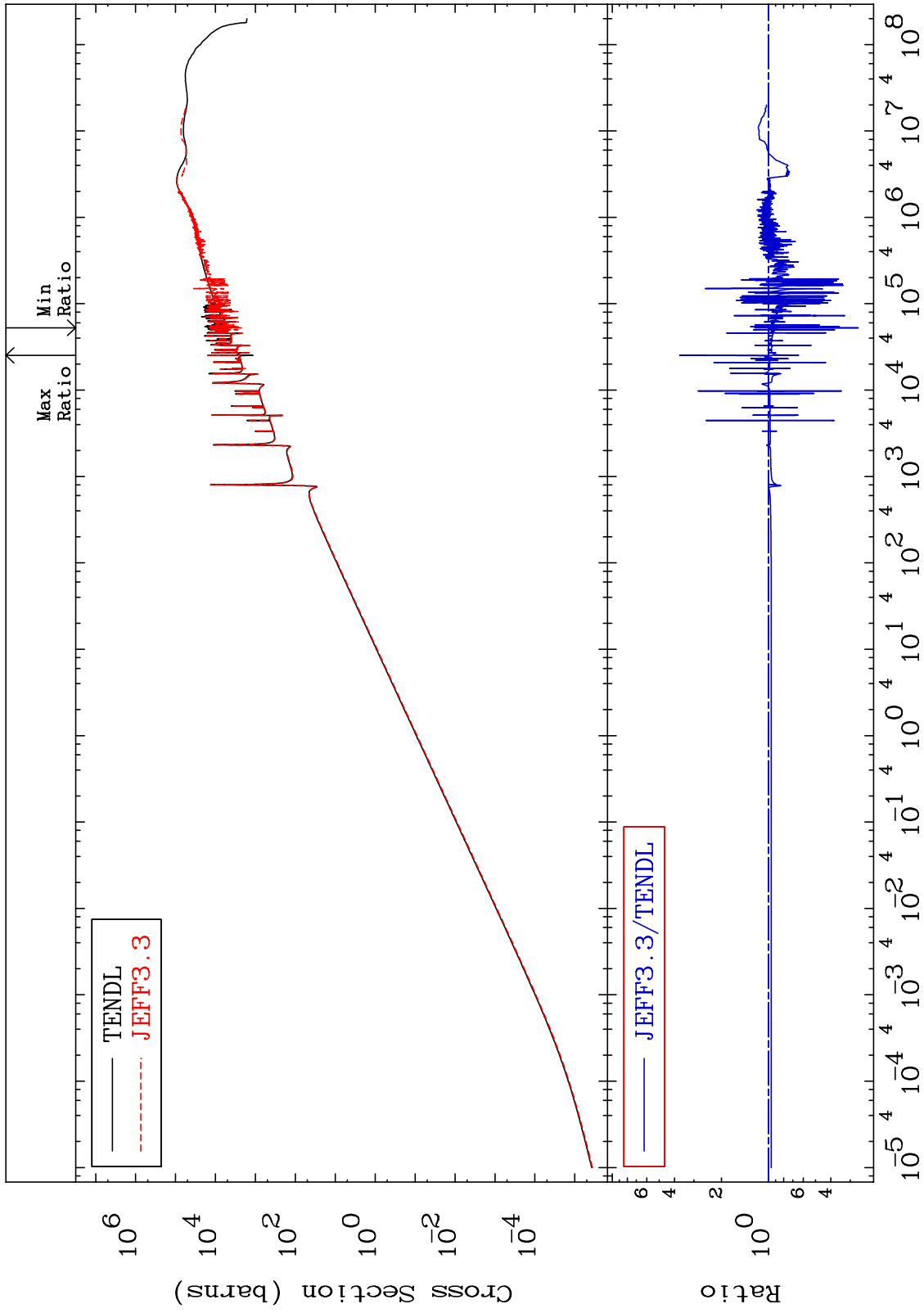
83-Bi-209  
-1158. To 1020. %



MAT 8325

Kerma elastic  
Cross Section

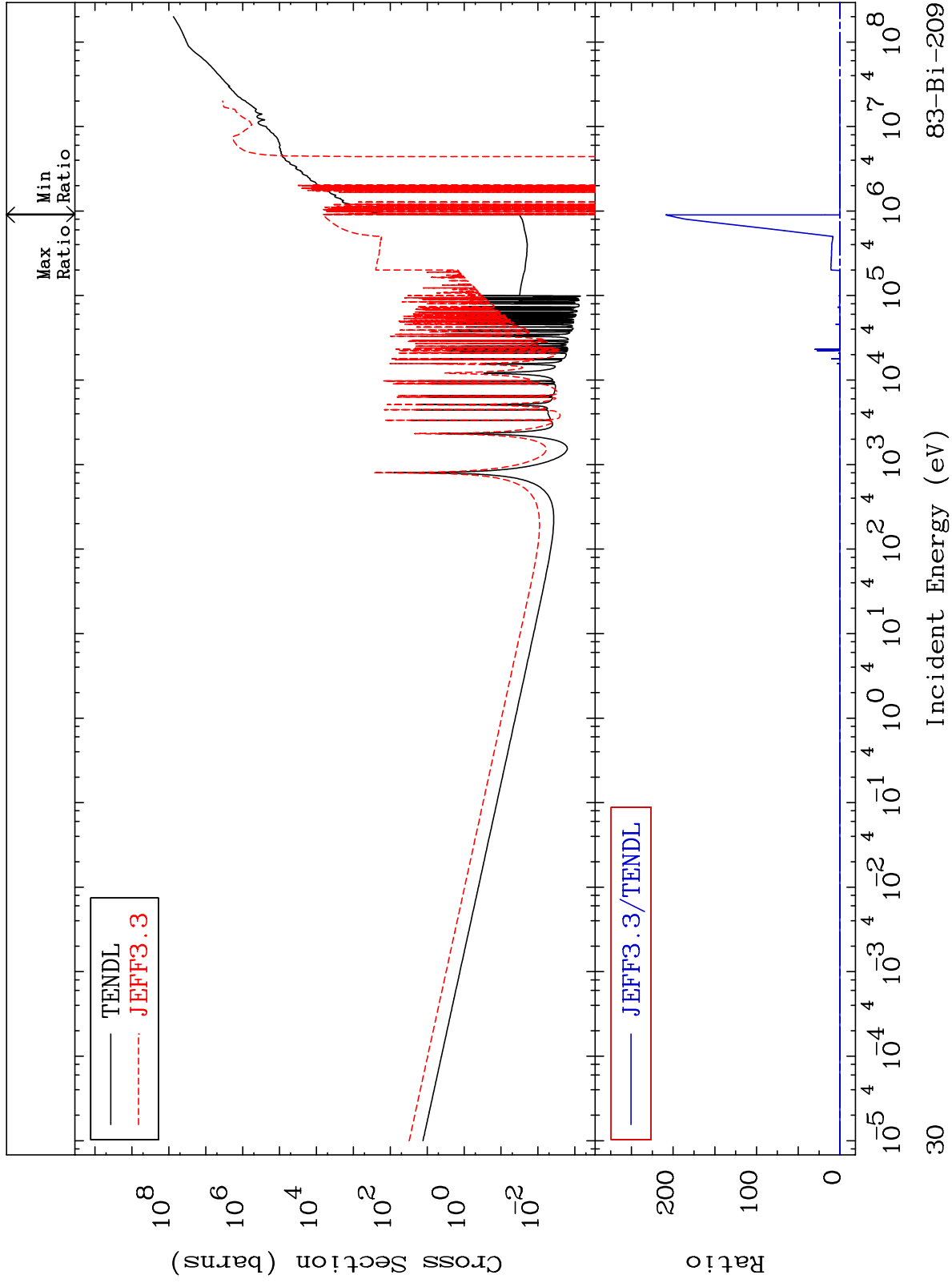
83-Bi-209  
-73.37 To 269.4 %



MAT 8325

Kerma non-elastic (all but mt2)  
Cross Section

83-Bi-209  
-9999. To 9999. %



30

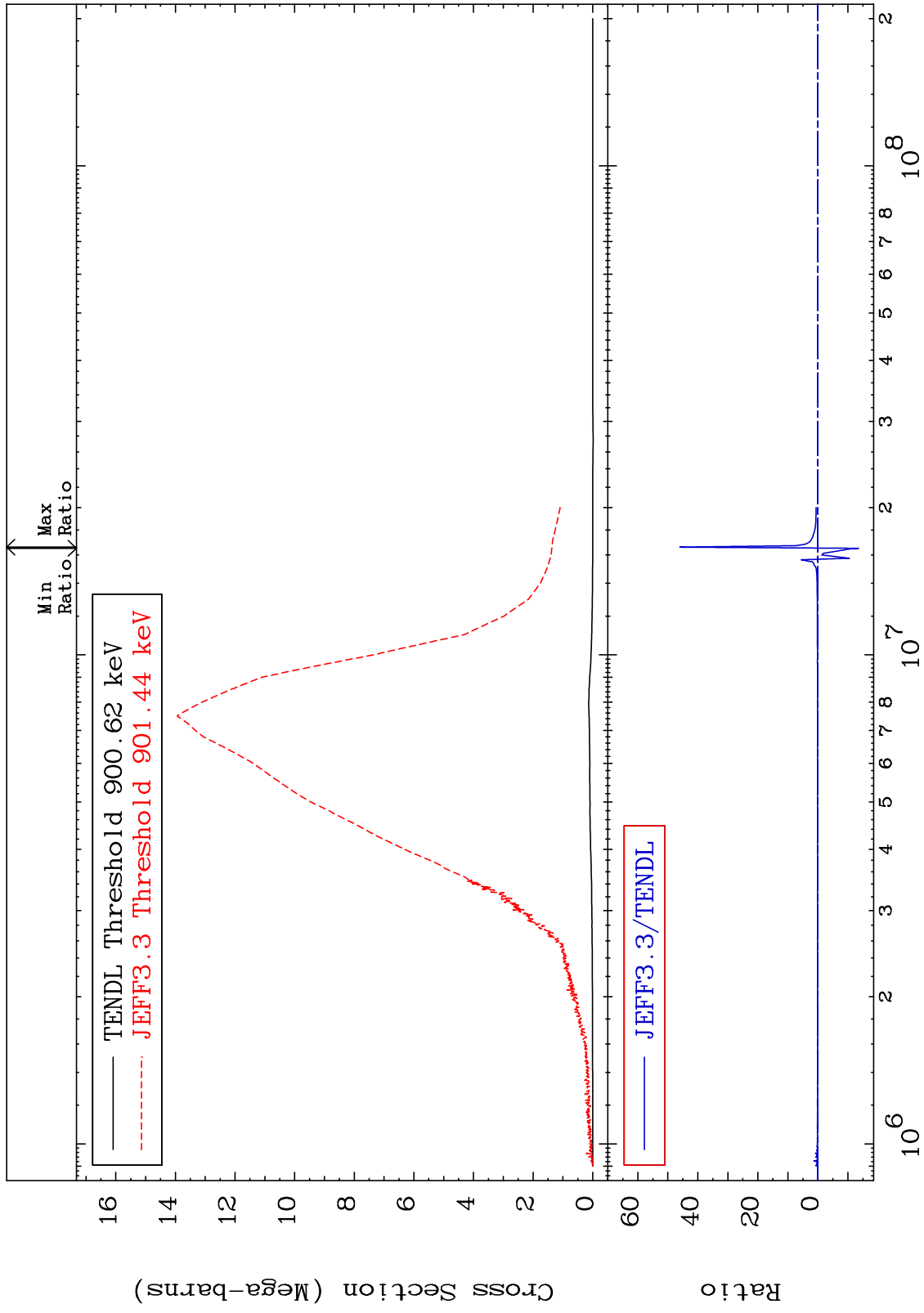
Incident Energy (eV)

83-Bi-209

MAT 8325

Kerma inelastic (mt51-91)  
Cross Section

83-Bi-209  
-9999. To 9999. %



31

Incident Energy (eV)

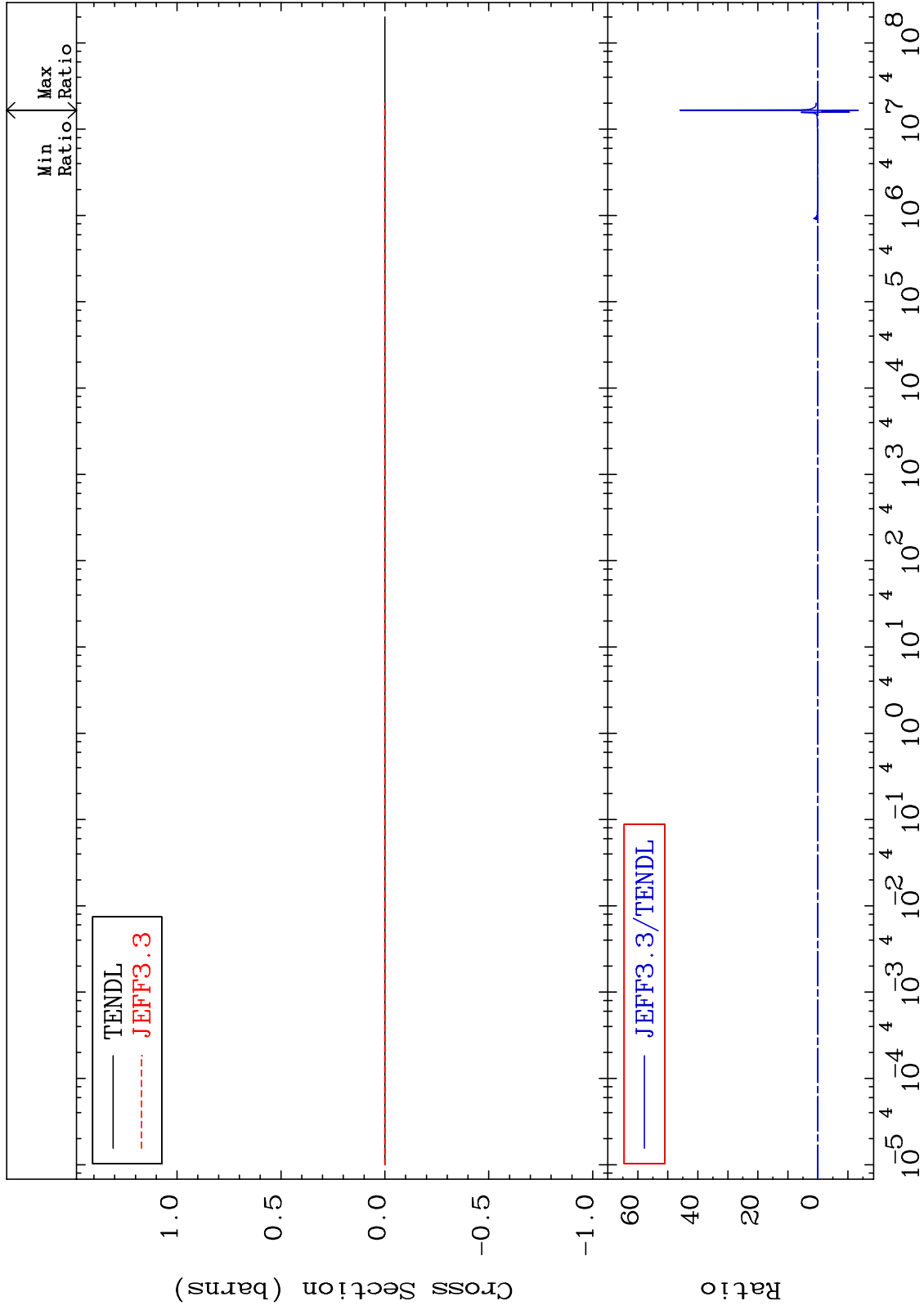
83-Bi-209



MAT 8325

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

83-Bi-209  
-9999. To 9999. %



32

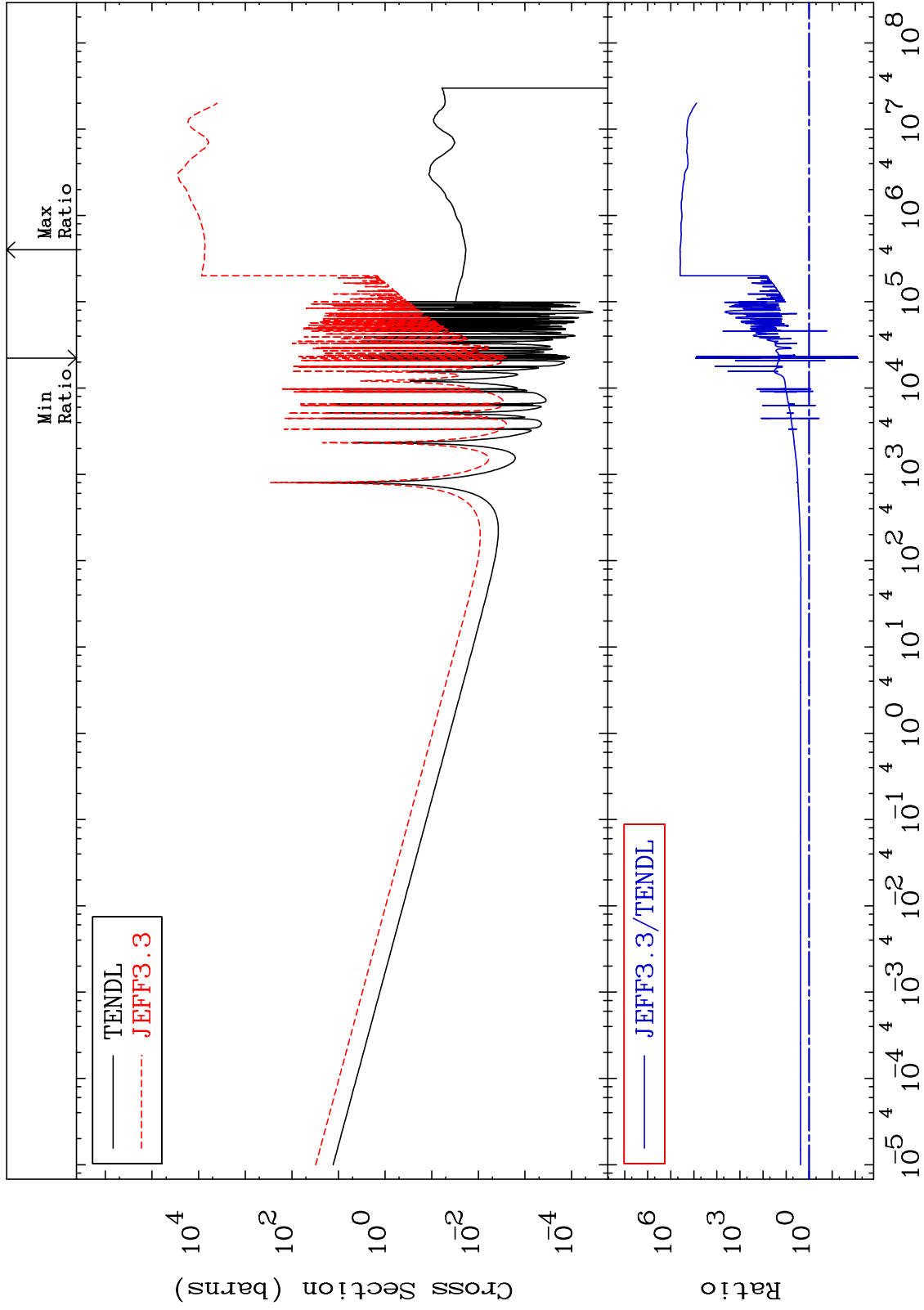
Incident Energy (eV)

83-Bi-209

MAT 8325

Kerma capture (mt102)  
Cross Section

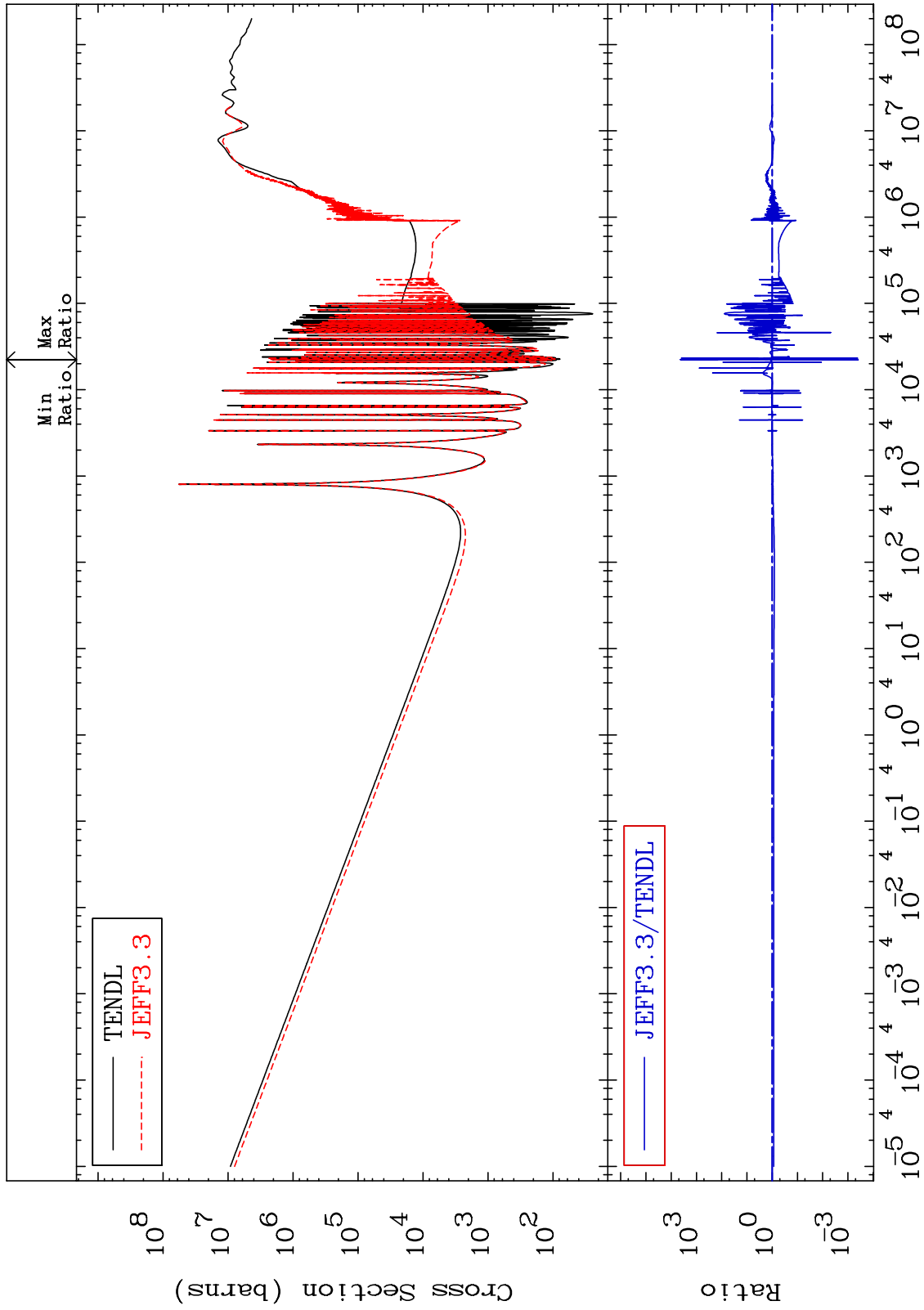
83-Bi-209  
-99.27 To 9999. %



MAT 8325

Total photon (eV-barns)  
Cross Section

83-Bi-209  
-99.96 To 9999. %



34

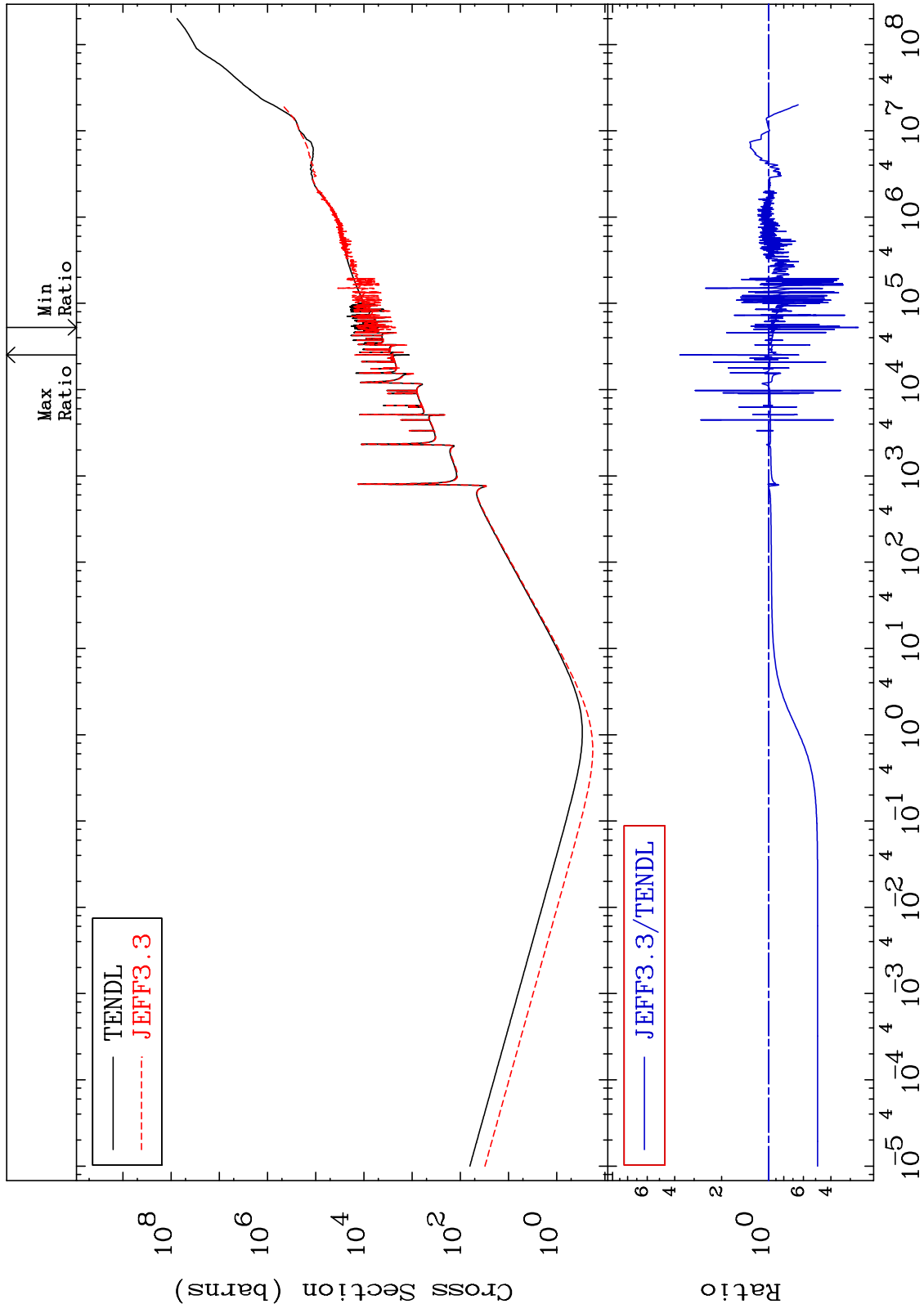
Incident Energy (eV)

83-Bi-209

MAT 8325

Total kinematic kerma (high limit)  
Cross Section

83-Bi-209  
-73.35 To 269.6 %



35

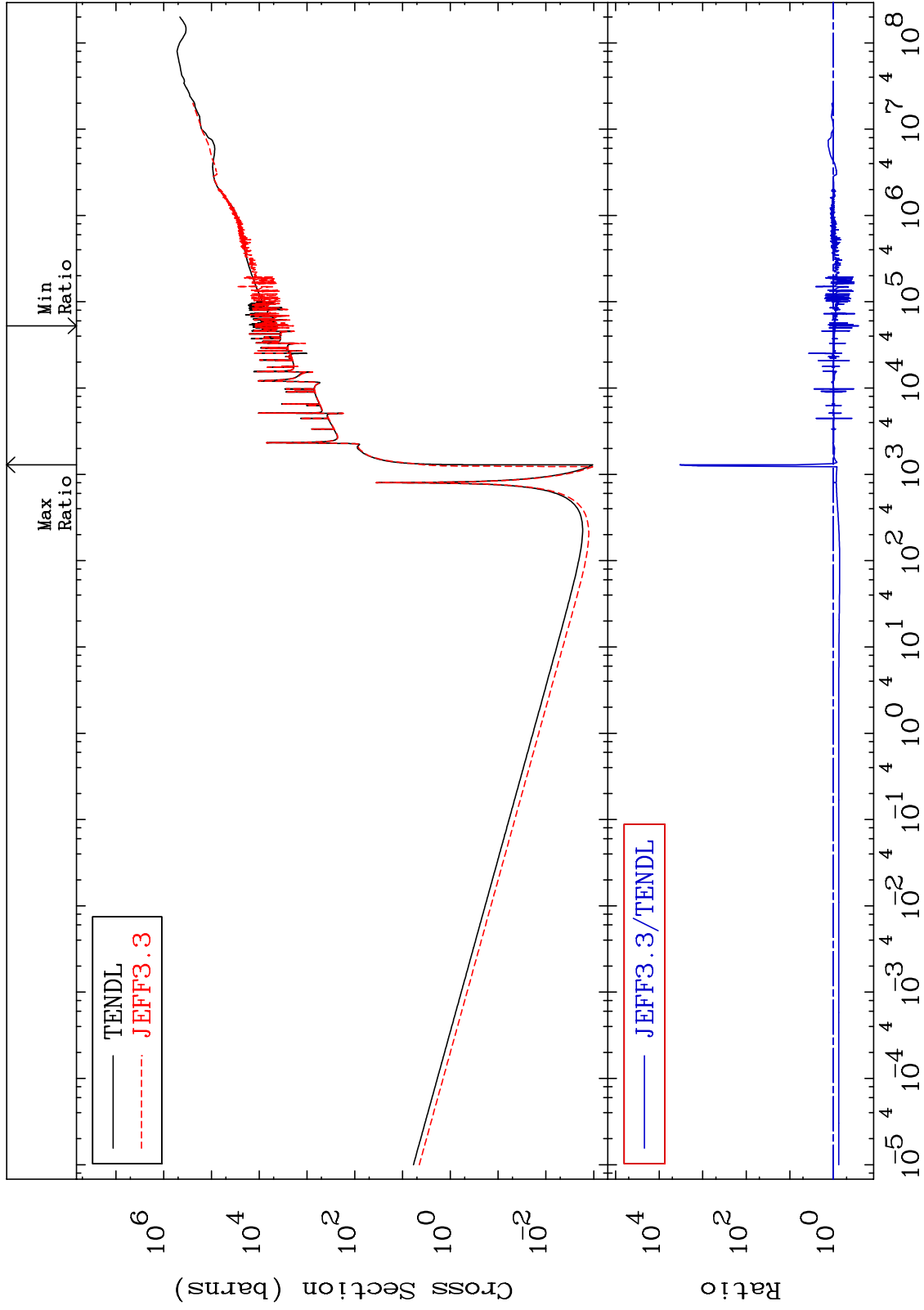
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa total (eV-barns)  
Cross Section

83-Bi-209  
-73.37 To 9999. %



36

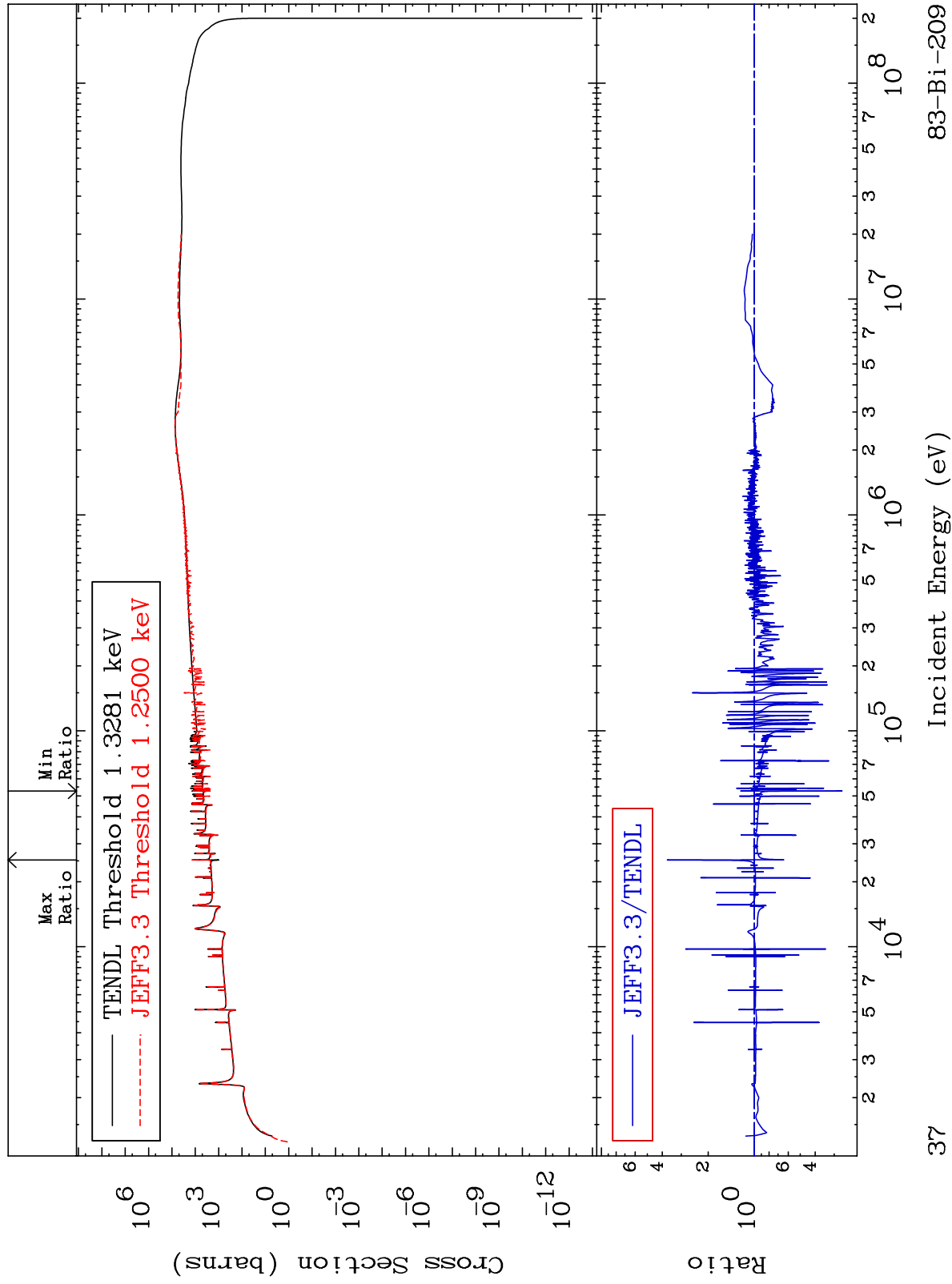
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa elastic (mt2)  
Cross Section

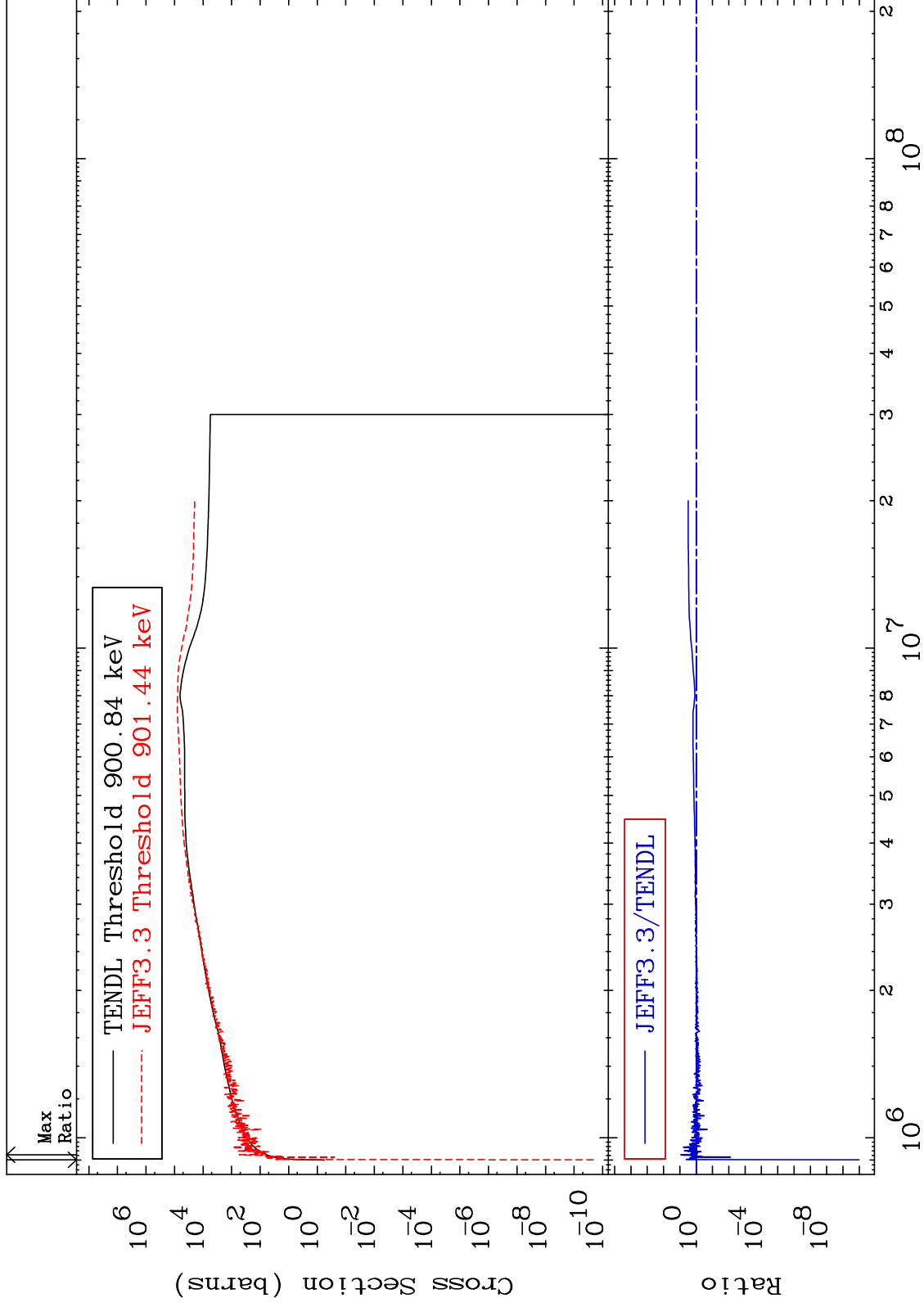
83-Bi-209  
-73.37 To 269.4 %



MAT 8325

Dpa inelastic (mt51-91)  
Cross Section

83-Bi-209  
-100.0 To 796.5 %



38

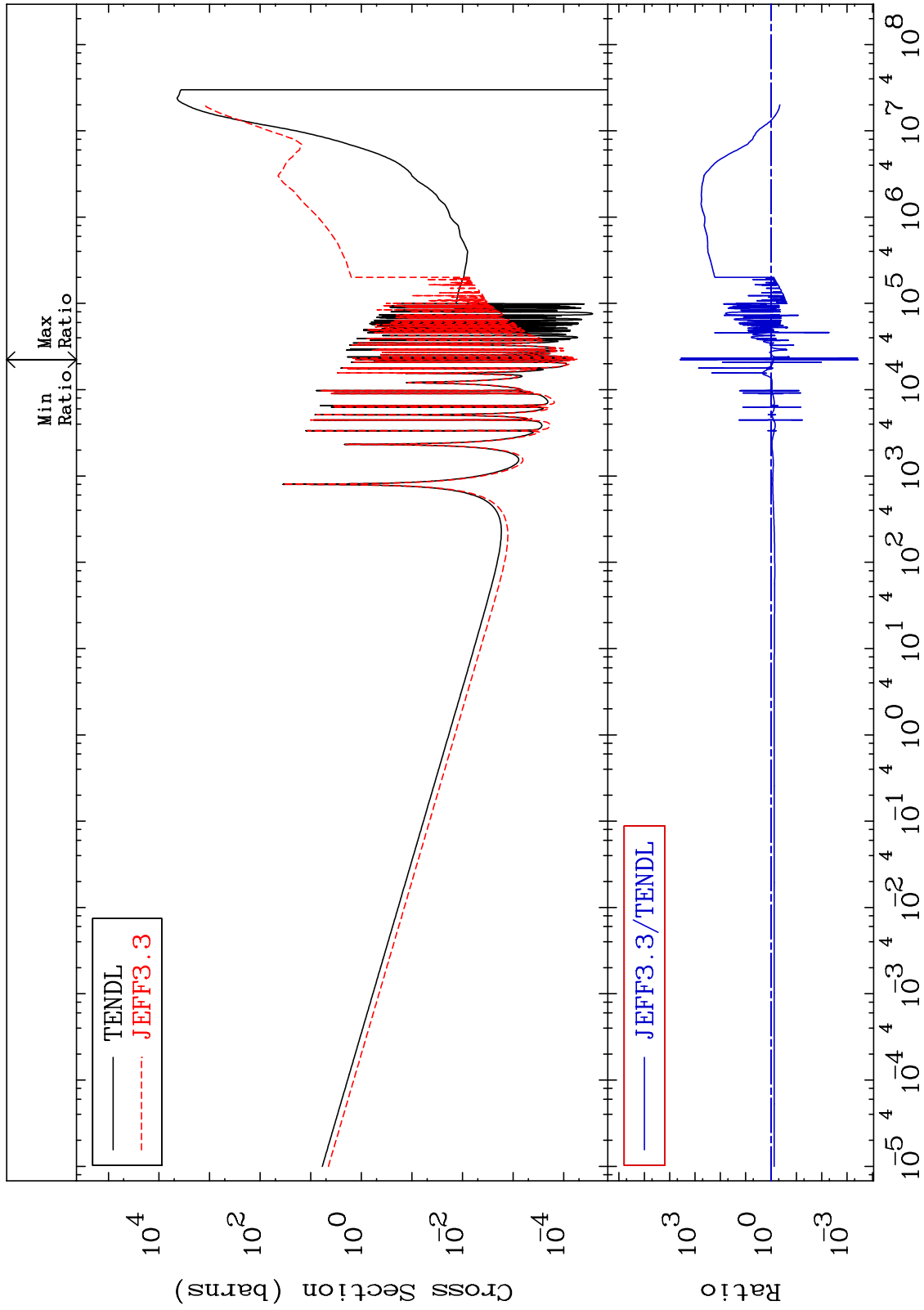
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa disappearance (mt102 -120)  
Cross Section

83-Bi-209  
-99.96 To 9999. %

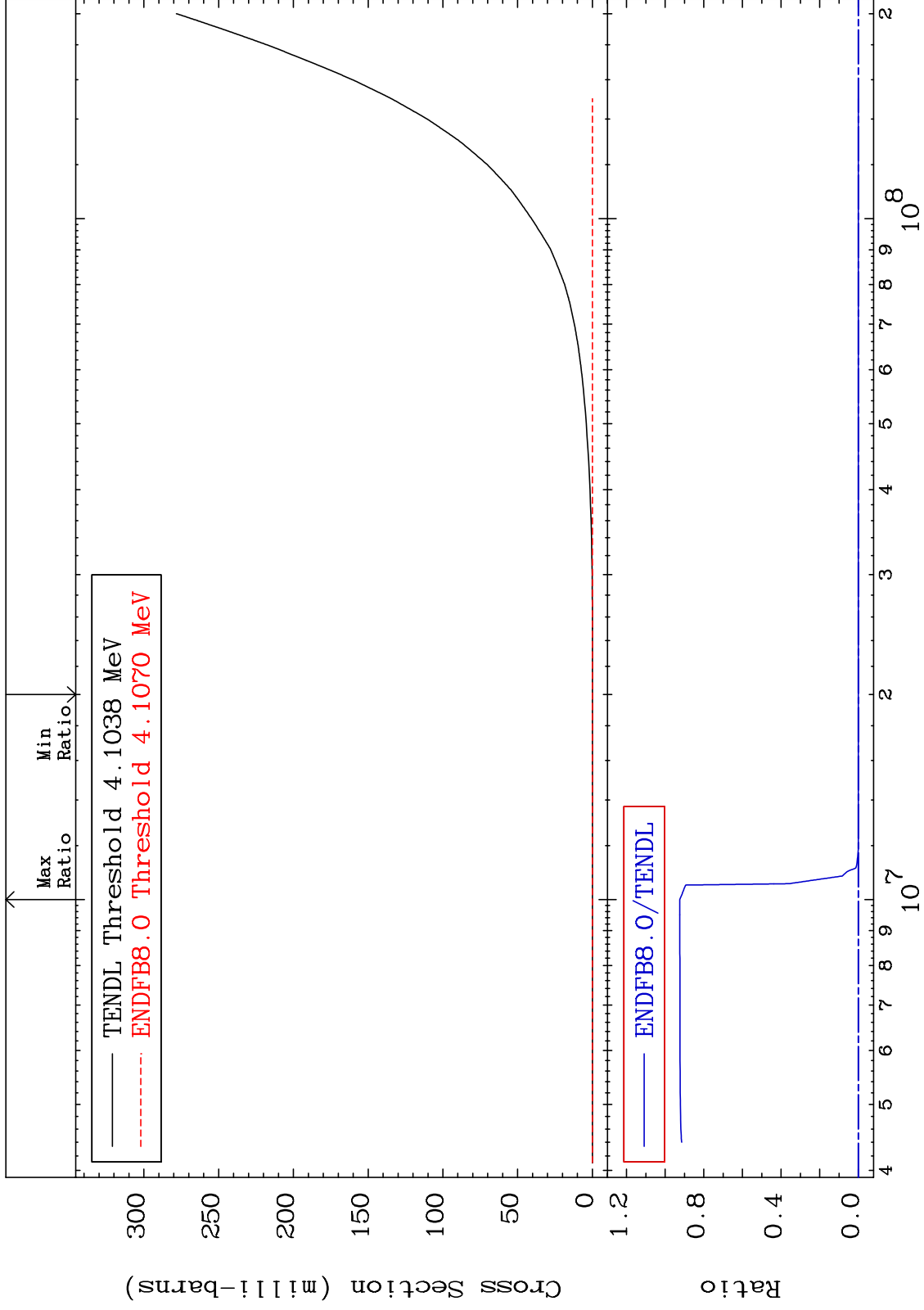




MAT 8325

He-3 Production  
Cross Section

83-Bi-209  
-100.0 To 9999. %



40

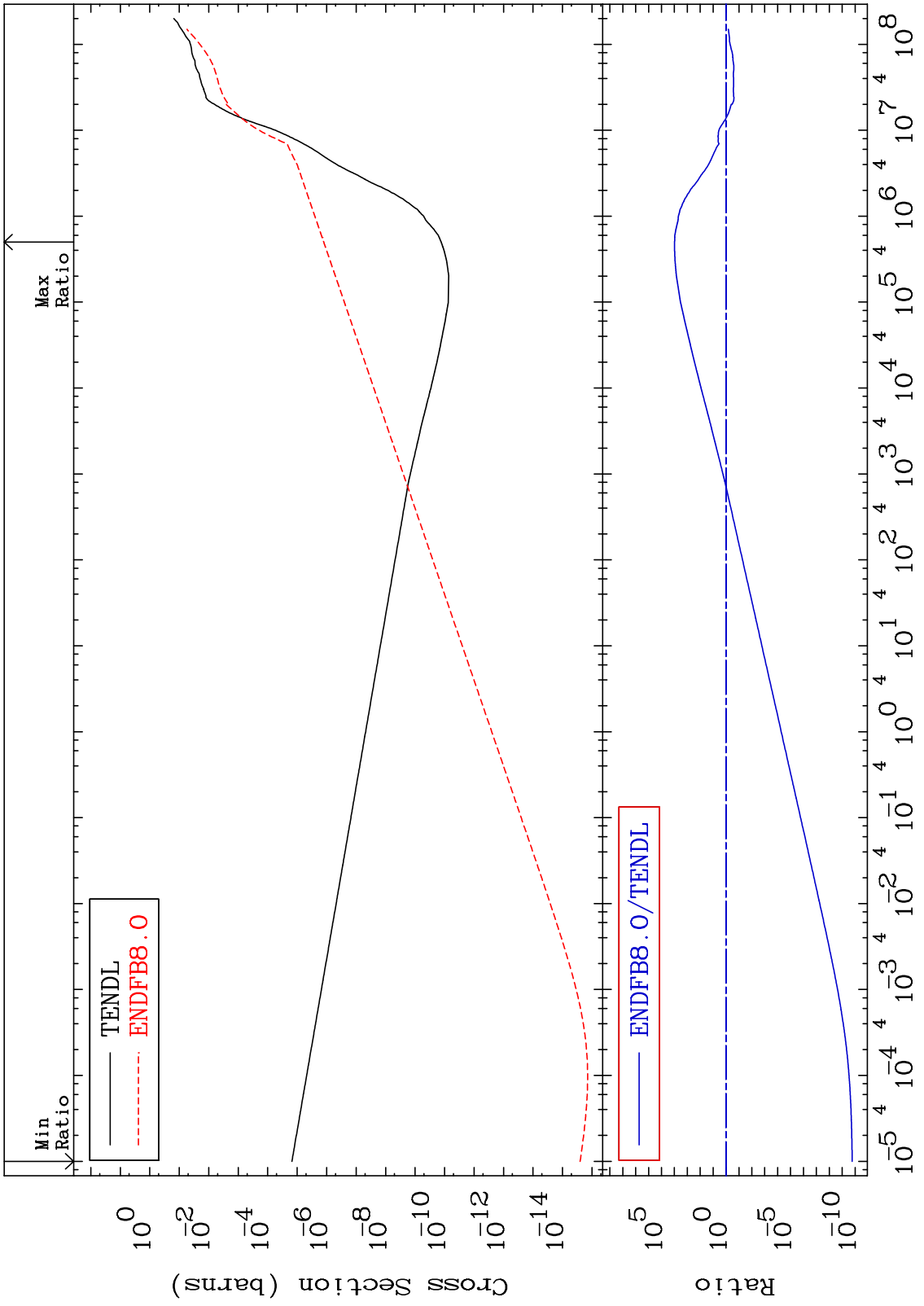
Incident Energy (eV)

83-Bi-209

MAT 8325

He-4 Production  
Cross Section

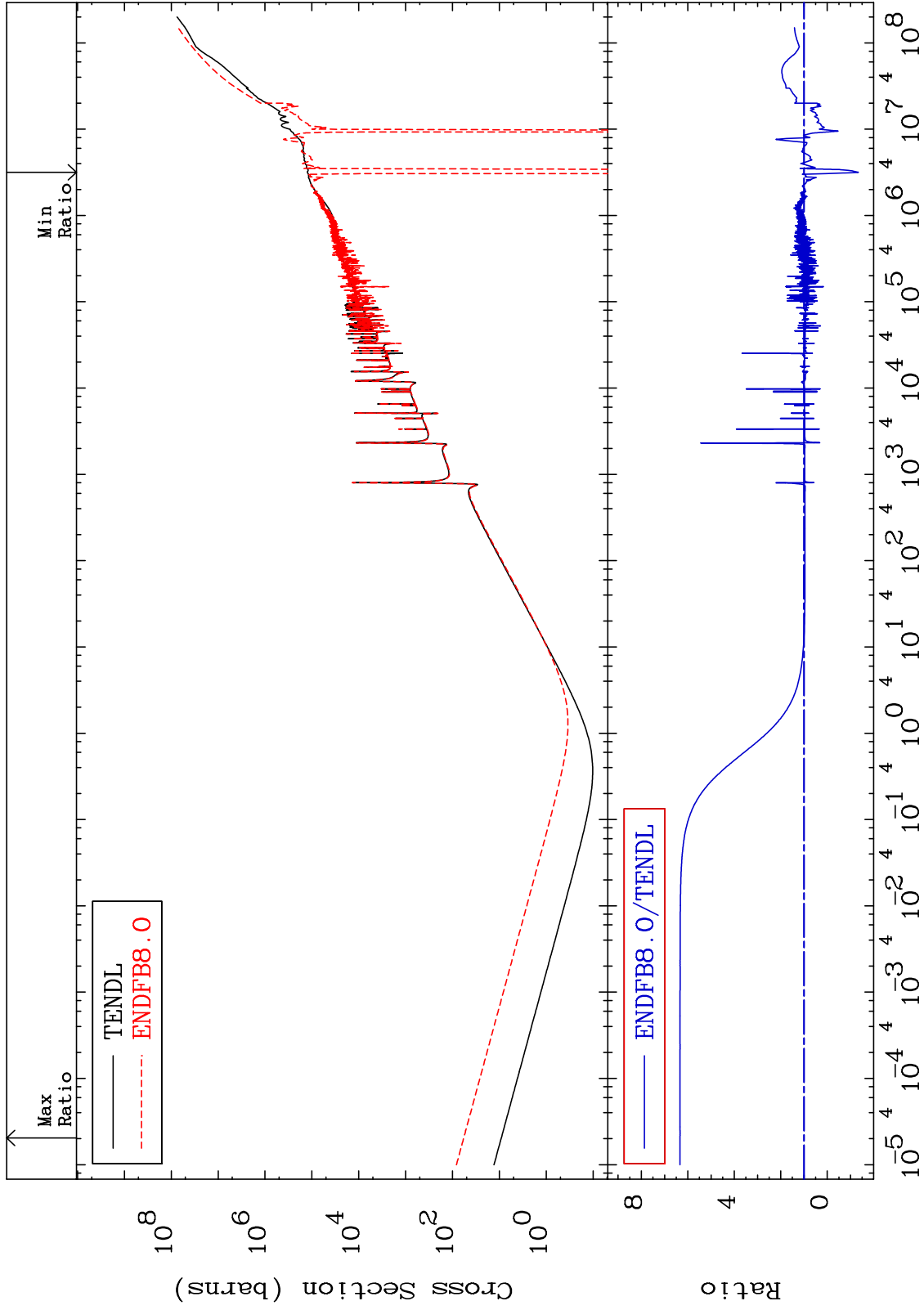
83-Bi-209  
-100.0 To 9999. %



MAT 8325

Kerma total (eV-barns)  
Cross Section

83-Bi-209  
-234.2 To 533.6 %



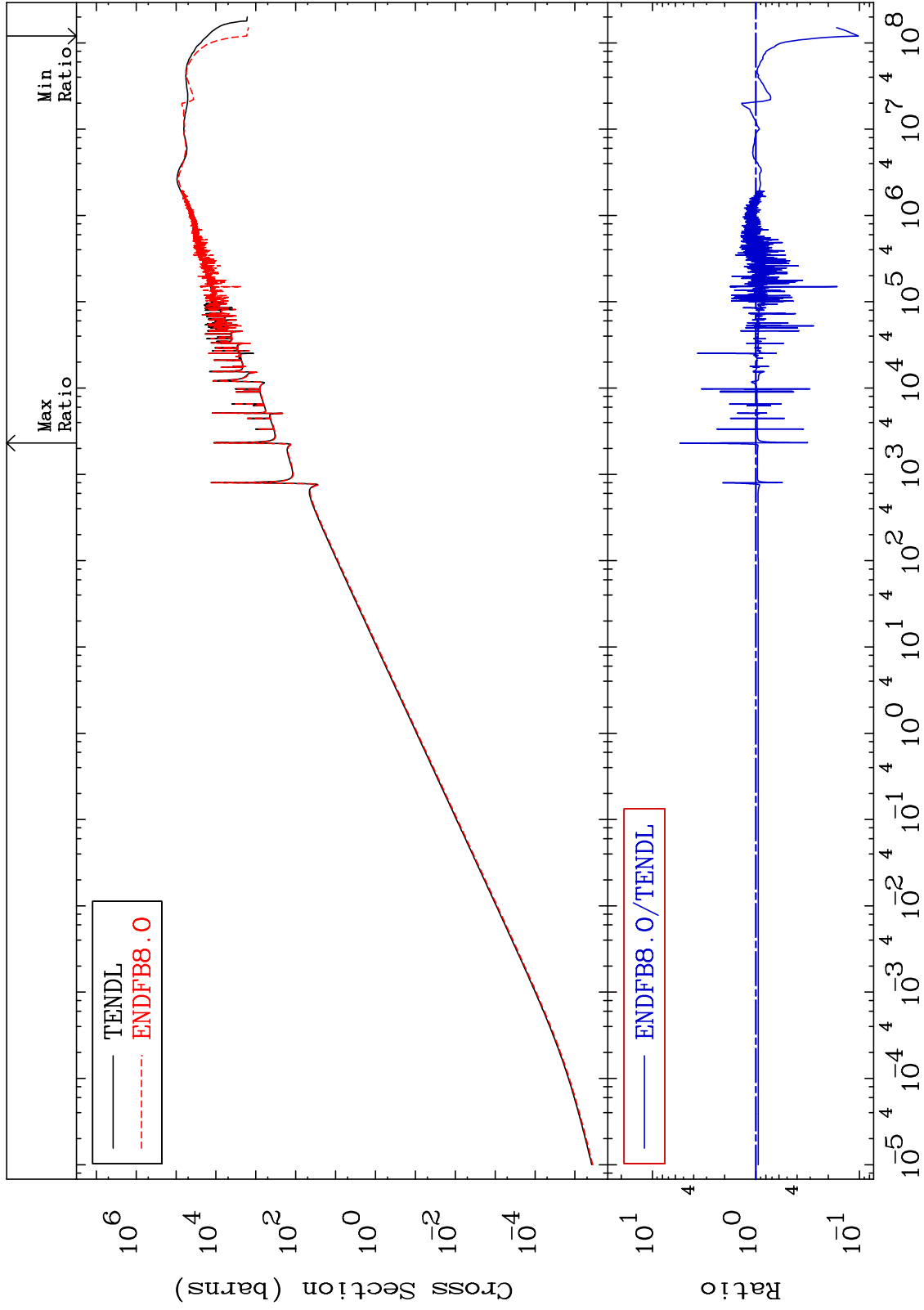
42

83-Bi-209

MAT 8325

Kerma elastic  
Cross Section

83-Bi-209  
-89.74 To 440.8 %



Incident Energy (eV)

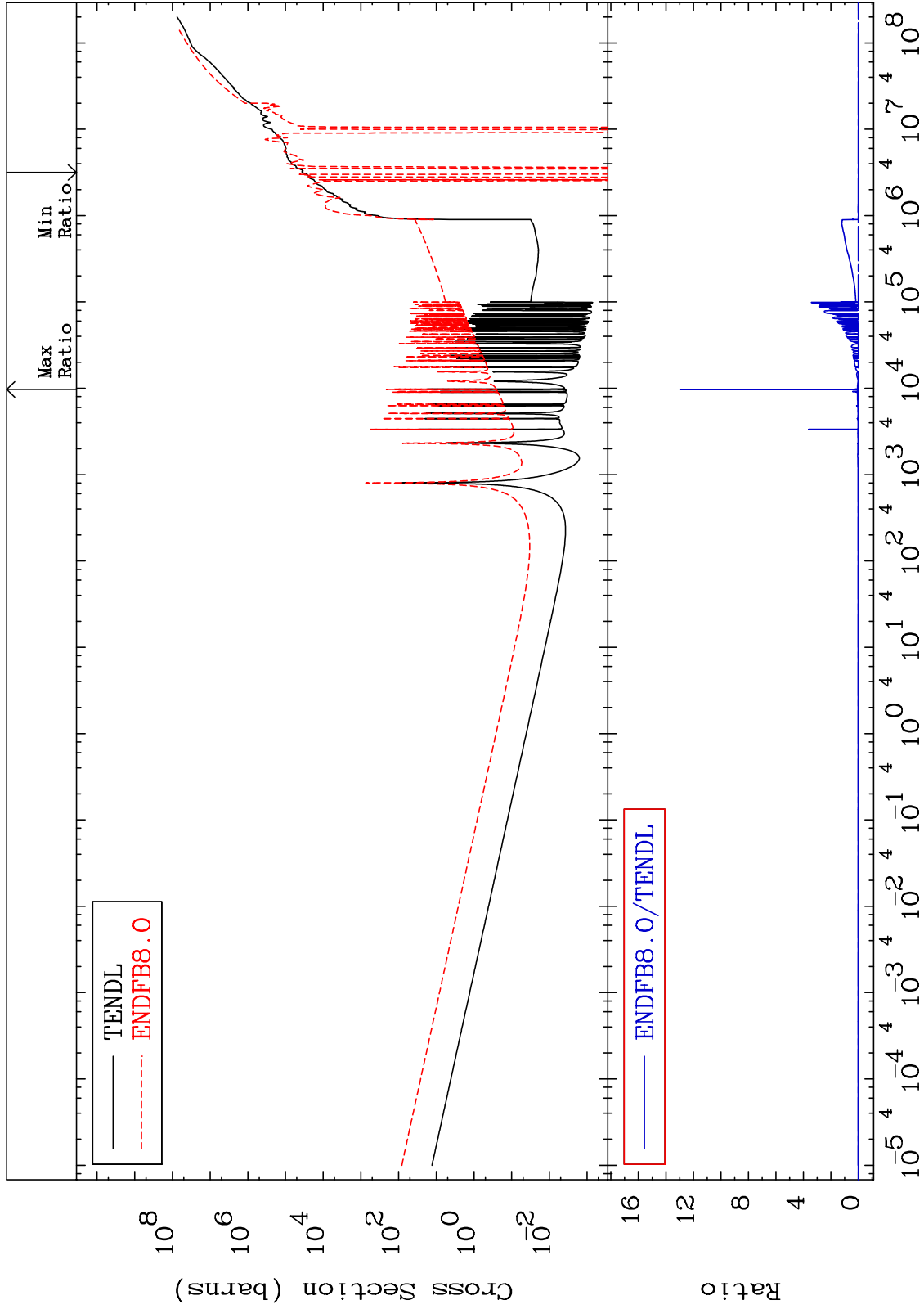
83-Bi-209

43

MAT 8325

Kerma non-elastic (all but mt2)  
Cross Section

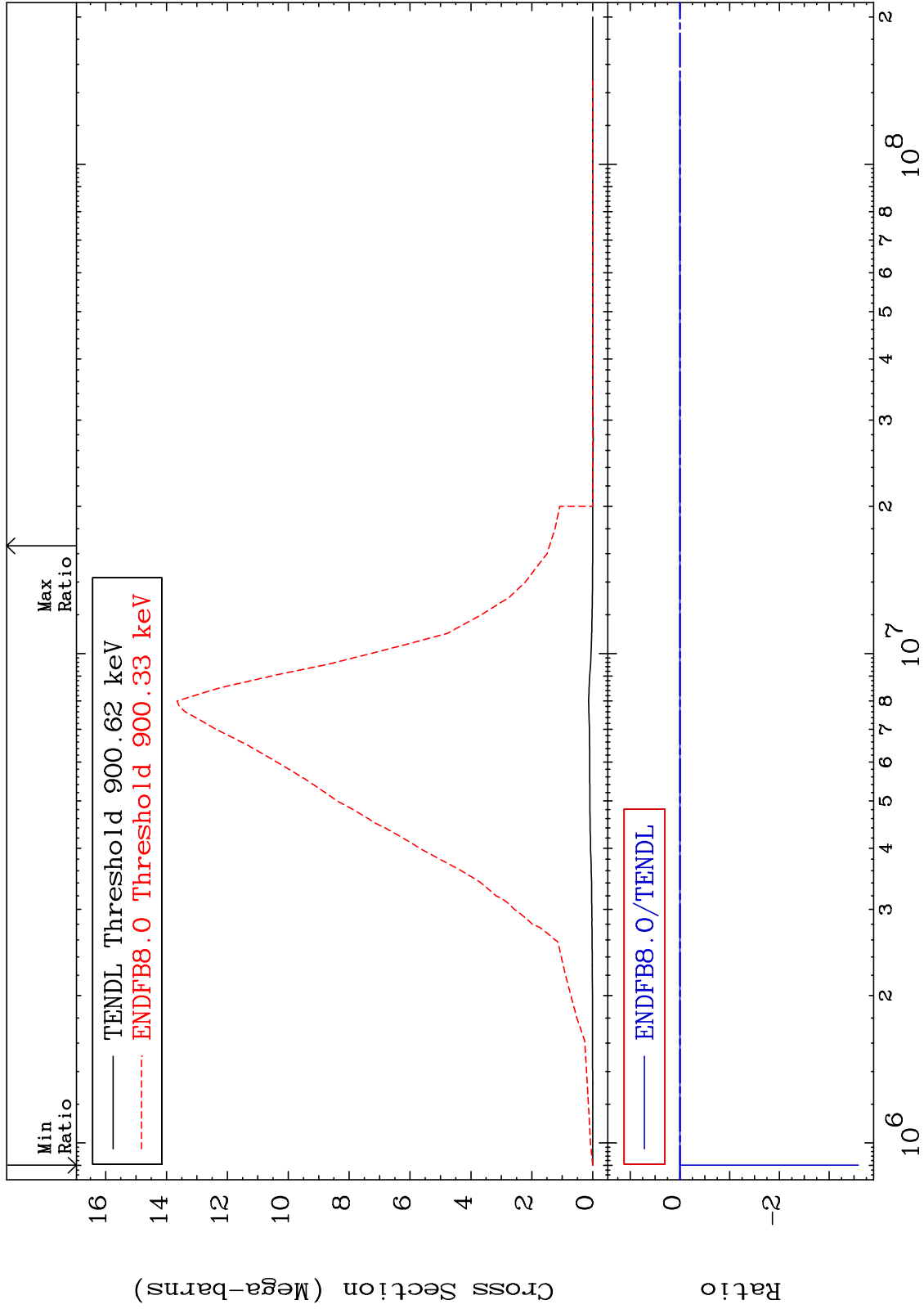
83-Bi-209  
-793.9 To 9999. %



MAT 8325

Kerma inelastic (mt51-91)  
Cross Section

83-Bi-209  
-9999. To 9999. %



45

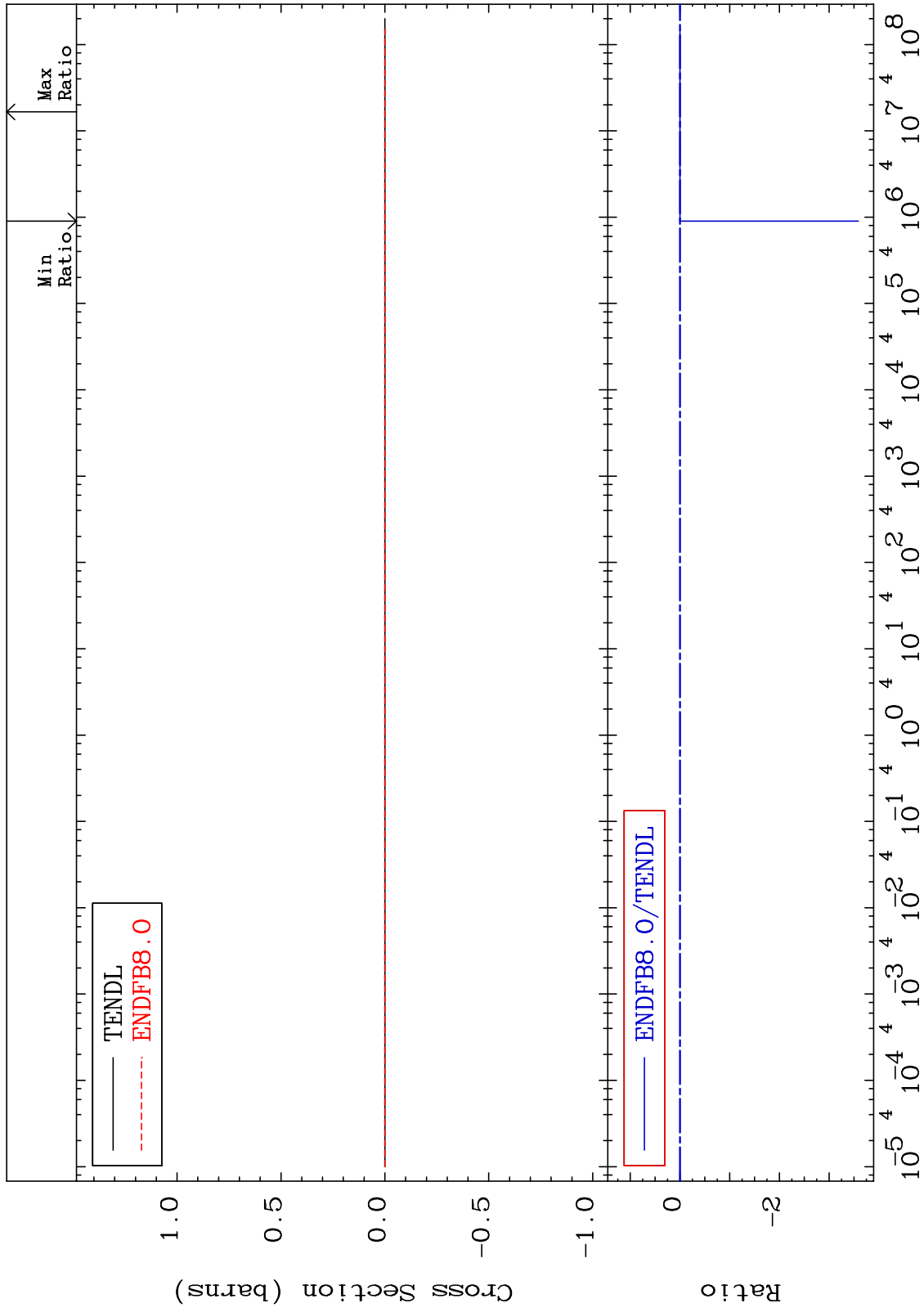
Incident Energy (eV)

83-Bi-209

MAT 8325

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

83-Bi-209  
-9999. To 9999. %



46

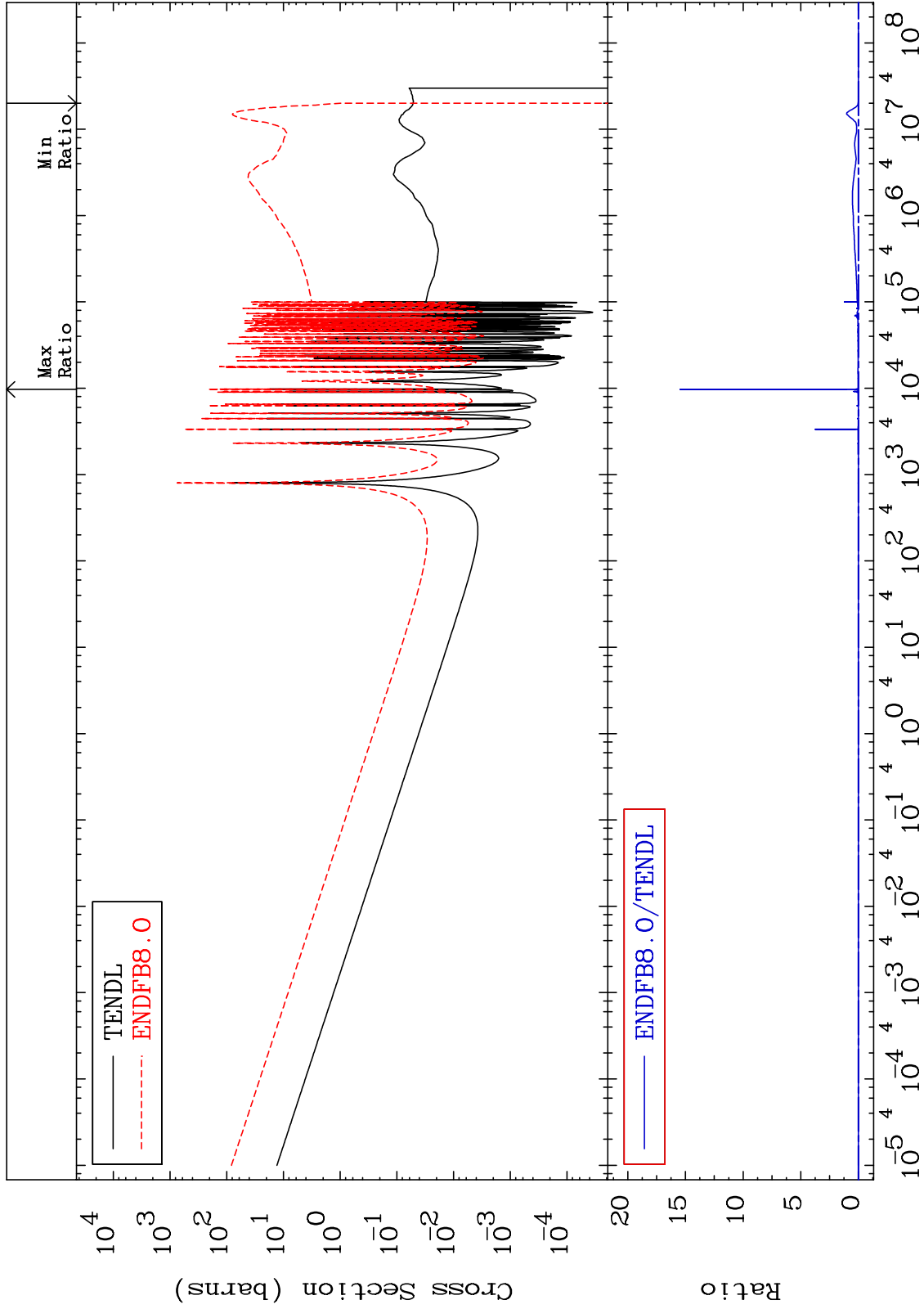
Incident Energy (eV)

83-Bi-209

MAT 8325

Kerma capture (mt102)  
Cross Section

83-Bi-209  
-100.0 To 9999. %



47

Incident Energy (eV)

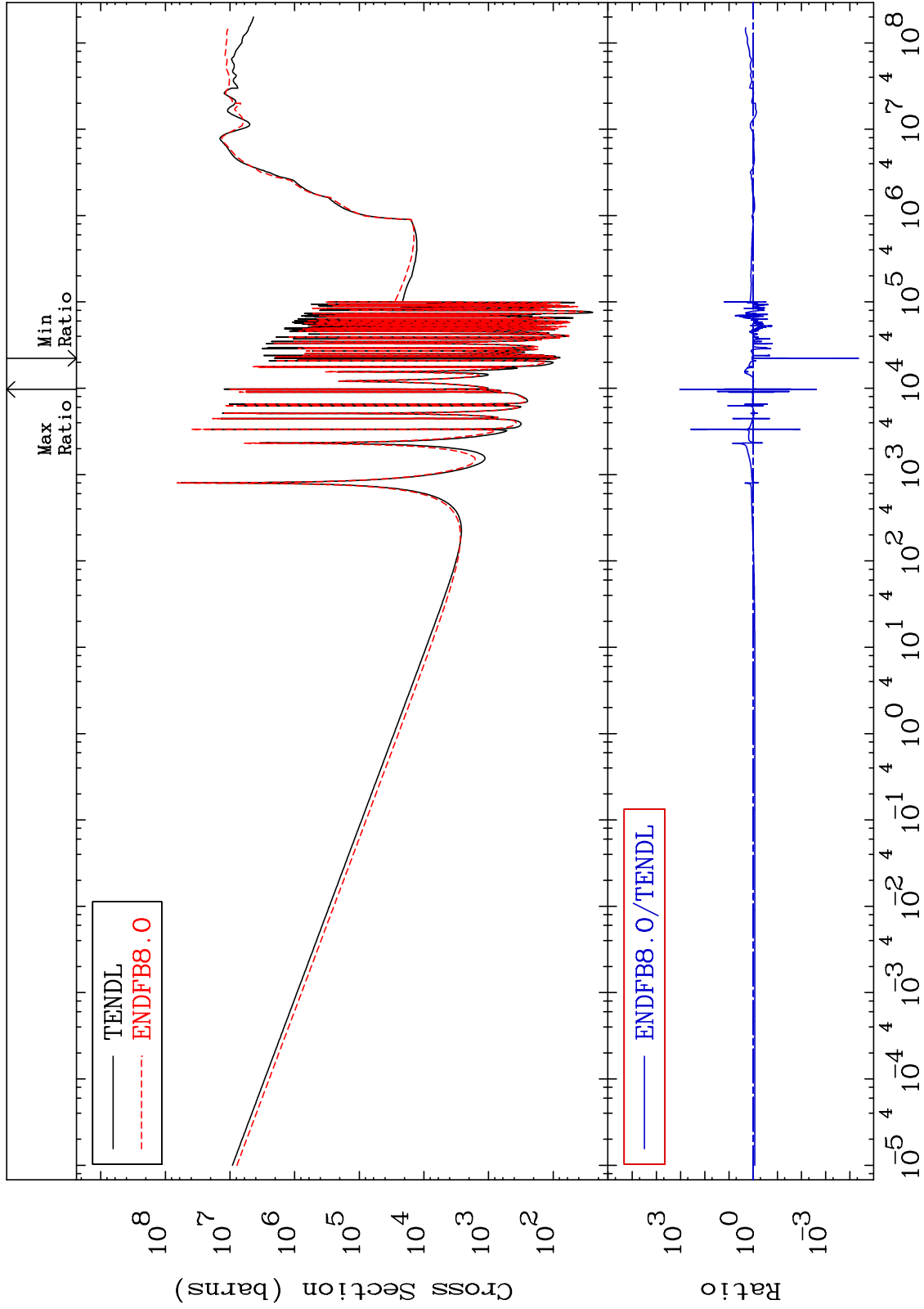
83-Bi-209



MAT 8325

Total photon (eV-barns)  
Cross Section

83-Bi-209  
-100.0 To 9999. %



48

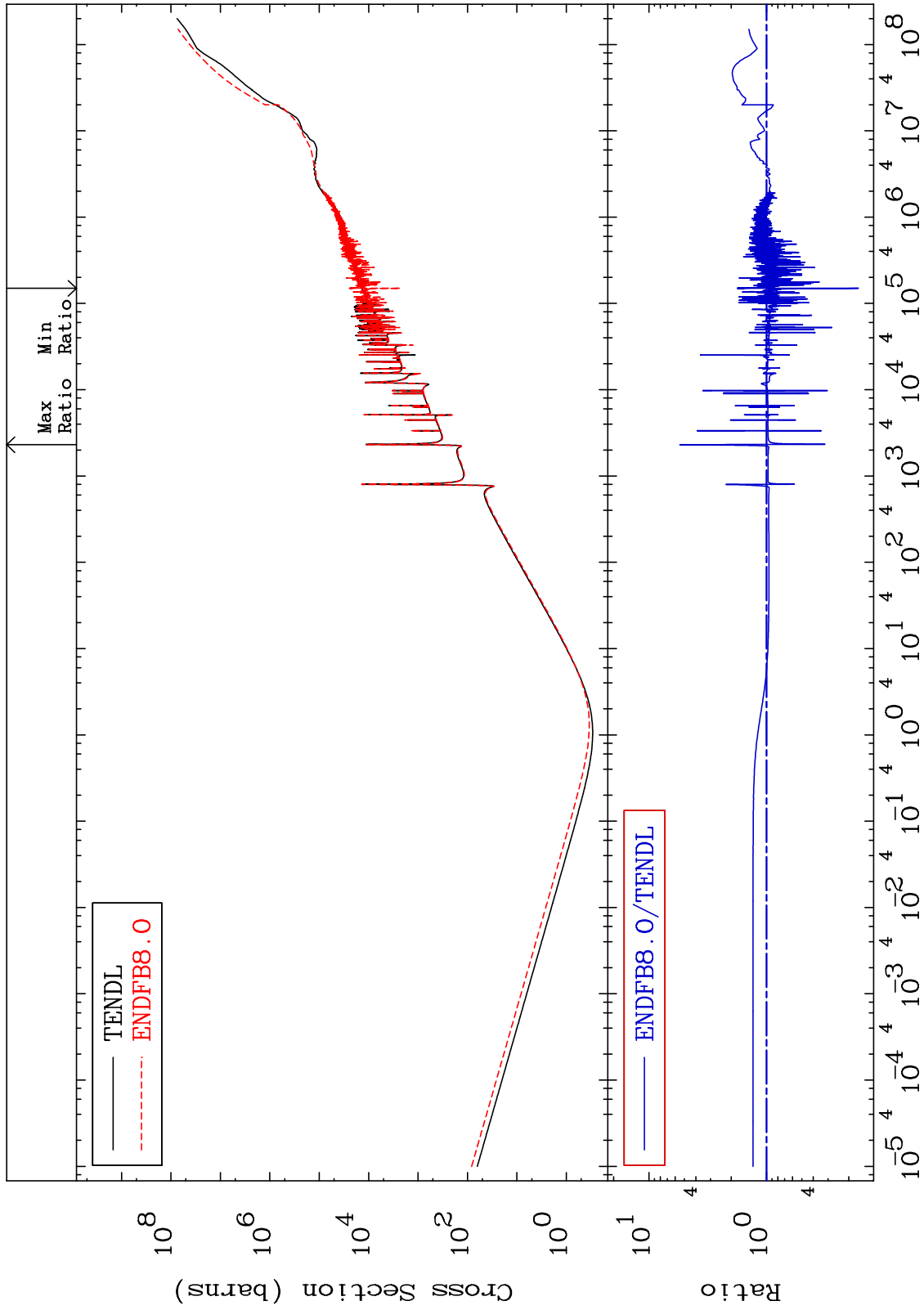
Incident Energy (eV)

83-Bi-209

MAT 8325

Total kinematic kerma (high limit)  
Cross Section

83-Bi-209  
-83.48 To 444.6 %



49

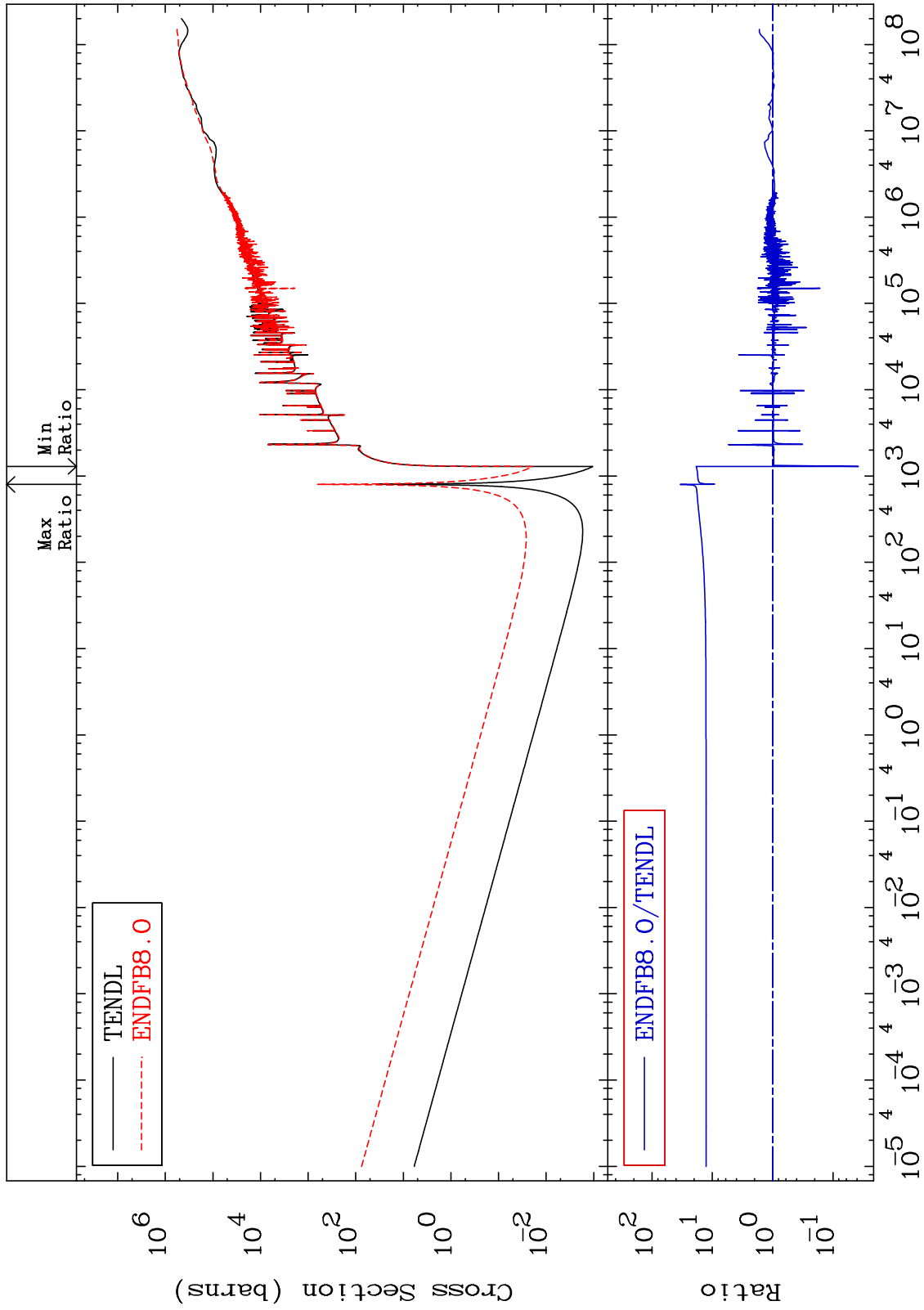
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa total (eV-barns)  
Cross Section

83-Bi-209  
-96.21 To 3333. %



50

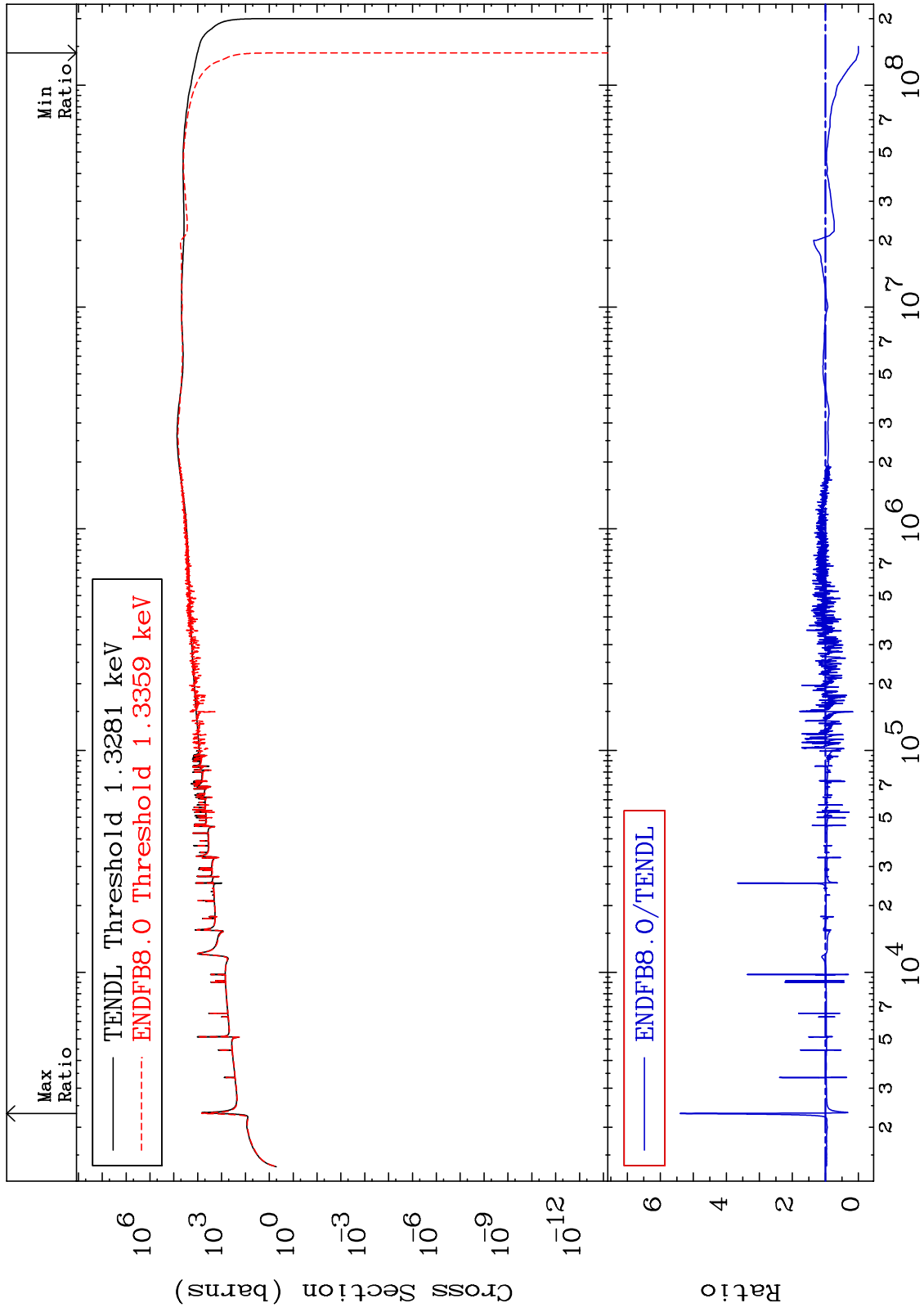
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa elastic (mt2)  
Cross Section

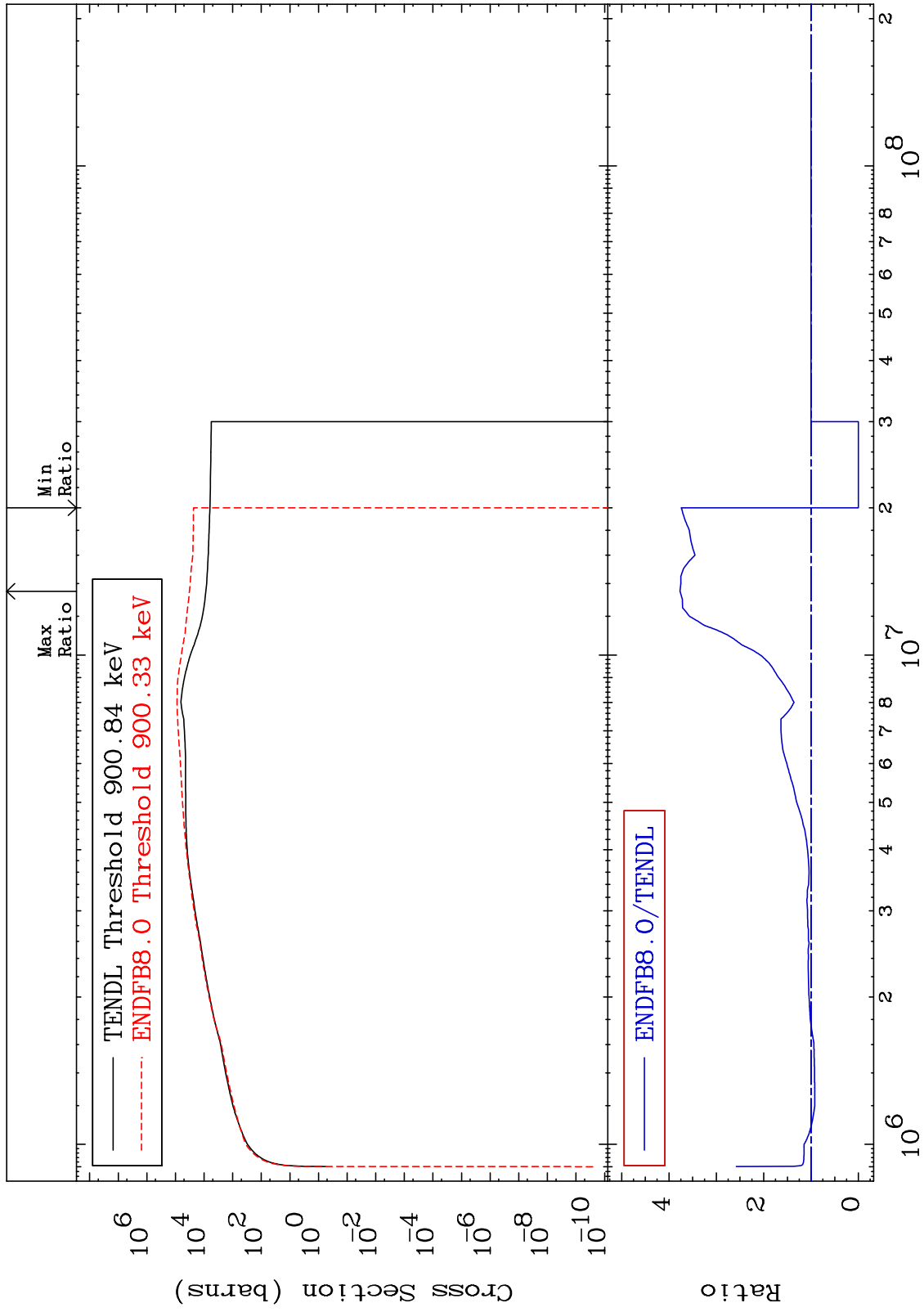
83-Bi-209  
-100.0 To 440.4 %



MAT 8325

Dpa inelastic (mt51-91)  
Cross Section

83-Bi-209  
-100.0 To 276.7 %



52

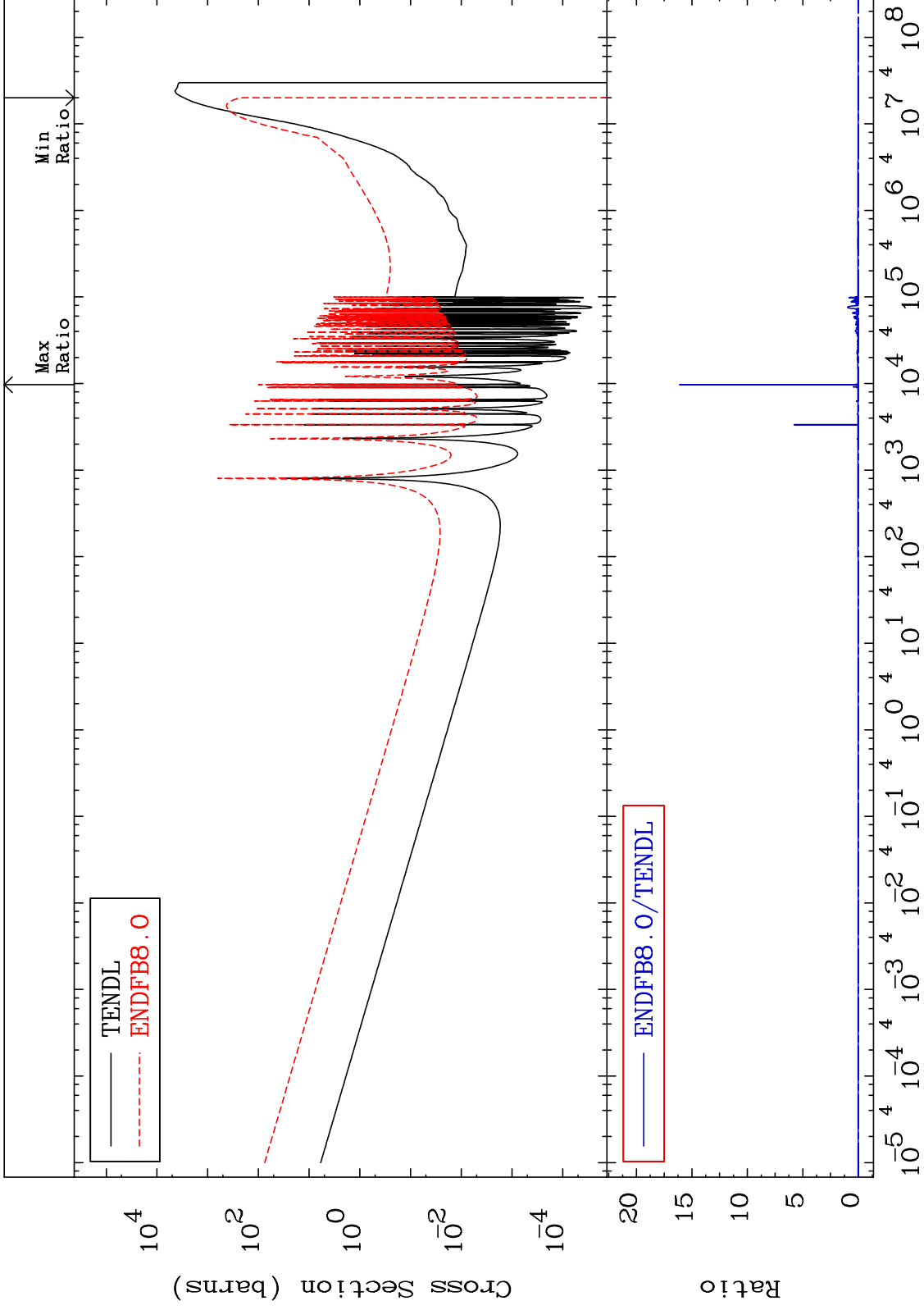
Incident Energy (eV)

83-Bi-209

MAT 8325

Dpa disappearance (mt102 -120)  
Cross Section

83-Bi-209  
-100.0 To 9999. %



53

Incident Energy (eV)

83-Bi-209